



TWENTY SEVENTH MEETING OF THE COUNCIL
3 - 4 April 2019, Tórshavn, Faroe Islands

DOCUMENT NPR	National Progress Report 2017-2018 – Japan, large cetaceans
Submitted by	Japan
Action requested	Take note
Background	Observer Governments and Aboriginal Organisations are invited to submit an Annual Progress Report.

Japan. Progress report on large cetacean research
INSTITUTE OF CETACEAN RESEARCH (ICR)
DATA/SAMPLE COLLECTED IN THE PERIOD 2017/2018

1. SIGHTING DATA (primary and secondary sightings in the research area, including the transit area)

NEWREP-A Dedicated sighting vessel (*Yushin-Marun No.2 and Kaiyo-Marun No.7*) (2017/18)

Target species	Date (research period)	Area	School/No. of sightings	Contact person/institute and references
Blue whale	26 Nov/17 – 1 Mar/18	Area V, VI	13/23	T, Mogoe (ICR), SC/67b/ASI
Fin whale	26 Nov/17 – 1 Mar/18	Area V, VI	71/116	T, Mogoe (ICR), SC/67b/ASI
Sei whale	26 Nov/17 – 1 Mar/18	Area V, VI	5/7	T, Mogoe (ICR), SC/67b/ASI
Antarctic minke whale	26 Nov/17 – 1 Mar/18	Area V, VI	330/745	T, Mogoe (ICR), SC/67b/ASI
Bryde's whale	26 Nov/17 – 1 Mar/18	Area V, VI	1/1	T, Mogoe (ICR), SC/67b/ASI
Humpback whale	26 Nov/17 – 1 Mar/18	Area V, VI	154/239	T, Mogoe (ICR), SC/67b/ASI
Sperm whale	26 Nov/17 – 1 Mar/18	Area V, VI	25/40	T, Mogoe (ICR), SC/67b/ASI

NEWREP-A Sighting and sampling vessels (*Yushin-Marun and Yushin-Marun No.3*) (2017/18)

Target species	Date (research period)	Area	School/No. of sightings	Contact person/institute and references
Blue whale	9 Dec/17 – 28 Feb/18	Area VI	8/13	T. Bando (ICR), SC/67b/SP
Fin whale	9 Dec/17 – 28 Feb/18	Area VI	115/272	T. Bando (ICR), SC/67b/SP
Antarctic minke whale	9 Dec/17 – 28 Feb/18	Area VI	392/925	T. Bando (ICR), SC/67b/SP
Humpback whale	9 Dec/17 – 28 Feb/18	Area VI	208/317	T. Bando (ICR), SC/67b/SP
Sperm whale	9 Dec/17 – 28 Feb/18	Area VI	38/38	T. Bando (ICR), SC/67b/SP

NEWREP-NP Dedicated Sighting vessels (*Yushin-Mar* and *Yushin-Mar* No.3) (2017)

Target species	Date (research period)	Area	School/No. of sightings	Contact person/institute and references
Fin whale	28 April/17 –27 May/17	Western North Pacific	3/3	K. Matsuoka (ICR), SC/67b/ASI
Bryde's whale	28 April/17 –27 May/17	Western North Pacific	7/7	K. Matsuoka (ICR), SC/67b/ASI
Common minke whale	28 April/17 –27 May/17	Western North Pacific	24/25	K. Matsuoka (ICR), SC/67b/ASI
Humpback whale	28 April/17 –27 May/17	Western North Pacific	15/16	K. Matsuoka (ICR), SC/67b/ASI
N.P. right whale	28 April/17 –27 May/17	Western North Pacific	1/1	K. Matsuoka (ICR), SC/67b/ASI
Sperm whale	28 April/17 –27 May/17	Western North Pacific	19/41	K. Matsuoka (ICR), SC/67b/ASI

NEWREP-NP Sighting and sampling vessels (*Yushin-Mar* and *Yushin-Mar* No.3) (2017)

Target species	Date (research period)	Area	School/No. of sightings	Contact person/institute and references
Blue whale	16 Jun/17 – 23 Sep/17	Western North Pacific	12/20	K. Konishi (ICR), SC/67b/SCSP
Fin whale	16 Jun /17 – 23 Sep/17	Western North Pacific	59/75	K. Konishi (ICR), SC/67b/SCSP
Sei whale	16 Jun /17 – 23 Sep/17	Western North Pacific	320/407	K. Konishi (ICR), SC/67b/SCSP
Bryde's whale	16 Jun /17 – 23 Sep/16	Western North Pacific	22/27	K. Konishi (ICR), SC/67b/SCSP
Common minke whale	16 Jun /17 – 23 Sep/17	Western North Pacific	56/61	K. Konishi (ICR), SC/67b/SCSP
Humpback whale	16 Jun /17 – 23 Sep/17	Western North Pacific	11/12	K. Konishi (ICR), SC/67a/SCSP
Sperm whale	16 Jun /17 – 23 Sep/17	Western North Pacific	215/365	K. Konishi (ICR), SC/67a/SCSP

IWC-POWER Dedicated Sighting vessel (*Yushin-Mar* No.2) (2017)

Target species	Date (research period including transit)	Area	School/No. of sightings	Contact person/institute and references
Gray whale	3 Jul/17 – 25 Sep/17	Bering Sea	15/22	K. Matsuoka (ICR), SC/67b/ASI
North Pacific right whale	3 Jul/17 – 25 Sep/17	Bering Sea	7/15	K. Matsuoka (ICR), SC/67b/ASI
Fin whale	3 Jul/17 – 25 Sep/17	Bering Sea	145/198	K. Matsuoka (ICR), SC/67b/ASI
Common minke whale	3 Jul/17 – 25 Sep/17	Bering Sea	23/23	K. Matsuoka (ICR), SC/67b/ASI
Humpback whale	3 Jul/17 – 25 Sep/17	Bering Sea	136/165	K. Matsuoka (ICR), SC/67b/ASI
Sperm whale	3 Jul/17 – 25 Sep/17	Bering Sea	25/33	K. Matsuoka (ICR), SC/67b/ASI

2. PHOTO ID DATA

NEWREP-A Dedicated sighting vessel (*Yushin-Maru No.2 and Kaiyo-Maru No.7*) (2017/18)

Target species	Feature	Area/stock	No. photo- id'd	Catalogue (Y/N)*	Catalogue total	Contact person/institute and references
Blue whale	Lateral marking	Area V, VI	12			T. Mogoe (ICR), SC/67b/ASI
Humpback whale	Fluke, Lateral marking	Area V, VI	7			T. Mogoe (ICR), SC/67b/ASI

NEWREP-A Sighting and sampling vessels (*Yushin-Maru and Yushin-Maru No.3*) (2017/18)

Target species	Feature	Area/stock	No. photo- id'd	Catalogue (Y/N)*	Catalogue total	Contact person/institute and references
Blue whale	Lateral marking	Areas VI	2			T. Bando (ICR), SC/67b/SP
Humpback whale	Fluke, Lateral marking	Areas VI	4			T. Bando (ICR), SC/67b/SP

NEWREP-NP Dedicated Sighting vessel (*Yushin-Maru and Yushin-Maru No.3*) (2017)

Target species	Feature	Area/stock	No.photo-id	Catalogue (Y/N)*	Catalogue total	Contact person/institute and references
Humpback whale	Fluke, Dorsal fin	Western North Pacific	18			K. Matsuoka (ICR), SC/67b/ASI
N.P. right whale	Head	Western North Pacific	1			K. Matsuoka (ICR), SC/67b/ASI

NEWREP-NP Sampling and Sighting vessels (*Yushin-Maru and Yushin-Maru No.3*) (2017)

Target species	Feature	Area/stock	No.photo-id	Catalogue (Y/N)*	Catalogue total	Contact person/institute and references
Blue whale		Western North Pacific	8			K. Konishi (ICR), SC/67b/SCSP
Humpback whale		Western North Pacific	1			K. Konishi (ICR), SC/67b/SCSP

IWC-POWER Dedicated Sighting vessels (*Yushin-Maru No.2*) (2017)

Target species	Feature	Area/stock	No.photo-id	Catalogue (Y/N)*	Catalogue total	Contact person/institute and references
Gray whale	Lateral marking	Bering Sea	14			K. Matsuoka (ICR); SC/67a/ASI
N.P. right whale	Head	Bering Sea	12			K. Matsuoka (ICR); SC/67a/ASI
Humpback whale	Fluke, Dorsal fin	Bering Sea	34			K. Matsuoka (ICR); SC/67a/ASI
Fin whale	Lateral marking	Bering Sea	55			K. Matsuoka (ICR); SC/67a/ASI

3. TELEMETRY/ARTIFICIAL MARKING DATA**Satellite tracking**NEWREP-NP Sampling and Sighting vessels (*Yushin-Maru and Yushin-Maru No.3*) (2017)

Target species	Area/stock	Date year	No. Successfully Deployed	Contact person/institute and references
Sei whale	Western North Pacific	2017/18	15	K. Konishi (ICR), SC/67b/SCSP

NEWREP-A Sighting and sampling vessels (*Yushin-Maru and Yushin-Maru No.3*) (2017/18)

Target species	Area/stock	Date year	No. Successfully Deployed	Contact person/institute and references
Antarctic minke whale	Area VI	2017/18	12	T. Mogoe (ICR), SC/67b/IA

4. TISSUE/BIOLOGICAL SAMPLES COLLECTED**Biopsy samples**NEWREP-A Dedicated sighting vessels (*Yushin-Maru No.2 and Kaiyo-Maru No.7*) (2017/18)

Target species	Area/stock	Calendar year/season – no. collected	Archived (Y/N)	No. analysed*	Total holdings	Contact person/institute and references
Blue whale	Area V, VI	2017/18 – 4	Y	0		T. Mogoe (ICR), SC/67b/ASI
Fin whale	Area V, VI	2017/18 – 1	Y	0		T. Mogoe (ICR), SC/67b/ASI
Antarctic minke whale	Area V, VI	2017/18 – 3	Y	0		T. Mogoe (ICR), SC/67b/ASI
Humpback whale	Area V, VI	2017/18 – 3	Y	0		T. Mogoe (ICR), SC/67b/ASI

NEWREP-A Sighting and sampling vessels (*Yushin-Maru and Yushin-Maru No.3*) (2017/18)

Target species	Area/stock	Calendar year/season – no. collected	Archived (Y/N)	No. analysed*	Total holdings	Contact person/institute and references
Antarctic minke whale	Area VI	2016/17 – 23	Y	0		T. Bando (ICR), SC/67b/SP
Blue whale	Area VI	2017/18 –1	Y	0		T. Bando (ICR), SC/67b/SP

NEWREP-NP Dedicated Sighting vessels (*Yushin-Maru and Yushin-Maru No.3*) (2017)

Target species	Area/stock	Calendar year/season-no. collected	Archived (Y/N)	No. analysed*	Total holdings	Contact person/institute and references
N.P. right whale	Western North Pacific	2017 – 1	Y	0		K. Matsuoka (ICR), SC/67b/ASI
Fin whale	Western North Pacific	2017 – 1	Y	0		K. Matsuoka (ICR), SC/67b/ASI
Humpback whale	Western North Pacific	2017 – 7	Y	0		K. Matsuoka (ICR), SC/67b/ASI

NEWREP-NP Sighting and sampling vessels (*Yushin-Maru and Yushin-Maru No.3*) (2017)

Target species	Area/stock	Calendar year/season-no. collected	Archived (Y/N)	No. analysed*	Total holdings	Contact person/institute and references
Blue whale	Western North Pacific	2017 – 5	Y	0		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	2017 – 17	Y	0		K. Konishi (ICR), SC/67b/SCSP
Humpback whale	Western North Pacific	2017 – 1	Y	0		K. Konishi (ICR), SC/67b/SCSP

IWC-POWER Dedicated Sighting vessels (*Yushin-Maru No.2*) (2017)

Target species	Area/stock	Calendar year/season-no. collected	Archived (Y/N)	No. analysed*	Total holdings	Contact person/institute and references
Gray whale	Bering Sea	2017 – 9	Y	0		K. Matsuoka (ICR), SC/67b/ASI
Humpback whale	Bering Sea	2017 – 18	Y	0		K. Matsuoka (ICR), SC/67b/ASI
N.P. right whale	Bering Sea	2017 – 3	Y	0		K. Matsuoka (ICR), SC/67b/ASI
Fin whale	Bering Sea	2017 – 28	Y	0		K. Matsuoka (ICR), SC/67b/ASI

Biological samples from scientific permits

NEWREP-NP Offshore component (2017)

Species	Area/stock	Samples and data	No. collected	Archived (Y/N)	No. analysed*	Contact person/institute and references
Sei whale	Western North Pacific	Body length and sex	134	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	External body proportion	134	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Photographic record and external character	134	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Diatom film record	134	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Standard measurements of blubber thickness (five points)	133	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Detailed measurements of blubber thickness (eleven points)	1	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Body weight	134	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Body weight by parts	1	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Blubber tissues for DNA study	134	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Blubber, muscle, liver and kidney tissues for organochlorines analysis	134	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Tissue for nutritional component analysis	6	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Lung tissue for atmospheric analysis	10	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Tissues for various analysis	134	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Mammary gland; lactation status and measurement	71	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Collection of ovary	71	Y		K. Konishi (ICR), SC/67b/SCSP

Sei whale	Western North Pacific	Photographic record of foetus	31	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Foetal sex (identified by visual observation)	31	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Foetal length and weight	31	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Foetal blubber tissues for DNA study	31	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Testis; weight and histological sample	63	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Collection of plasma sample	121	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Stomach content, conventional record	134	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Weight of stomach content in each compartment	134	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Stomach contents for feeding study	76	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Record of external parasites	134	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Record of internal parasites	134	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Earplug for age determination	134	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Lens for age determination	134	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Vertebral epiphyses sample	134	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Skull measurements (length and breadth)	131	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Observation of marine debris in stomach	134	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Marine debris in stomach	13	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Muscle and liver tissues for stable isotope	134	Y		K. Konishi (ICR), SC/67b/SCSP
Sei whale	Western North Pacific	Baleen plate for stable isotope	27	Y		K. Konishi (ICR), SC/67b/SCSP

Sei whale	Western North Pacific	Blubber and muscle tissues for lipid content	134	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Body length and sex	43	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	External body proportion	43	Y		K. Konishi (ICR), SC/67b/SCSP

Common minke whale	Western North Pacific	Photographic record and external character	43	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Diatom film record	43	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Standard measurements of blubber thickness (five points)	42	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Detailed measurements of blubber thickness (eleven points)	1	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Body weight	43	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Body weight by parts	1	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Blubber tissues for DNA study	43	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Blubber, muscle, liver and kidney tissues for organochlorines analysis	43	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Tissue for nutritional component analysis	6	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Lung tissue for atmospheric analysis	10	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Tissues for various analysis	43	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Mammary gland; lactation status and measurement	7	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Collection of ovary	7	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Photographic record of foetus	5	Y		K. Konishi (ICR), SC/67b/SCSP

Common minke whale	Western North Pacific	Foetal sex (identified by visual observation)	5	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Foetal length and weight	5	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Foetal blubber tissues for DNA study	5	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Testis; weight and histological sample	36	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Collection of plasma sample	40	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Stomach content, conventional record	43	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Weight of stomach content in each compartment	43	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Stomach contents for feeding study	35	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Record of external parasites	43	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Record of internal parasites	43	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Earplug for age determination	43	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Lens for age determination	43	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Vertebral epiphyses sample	43	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Skull measurements (length and breadth)	43	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Tissues for contaminant sensitivity study	21	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Observation of marine debris in stomach	43	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Muscle and liver tissues for stable isotope	43	Y		K. Konishi (ICR), SC/67b/SCSP
Common minke whale	Western North Pacific	Baleen plate for stable isotope	43	Y		K. Konishi (ICR), SC/67b/SCSP

Common minke whale	Western North Pacific	Blubber and muscle tissues for lipid content	43	Y		K. Konishi (ICR), SC/67b/SCSP
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NEWREP-NP Coastal component (Abashiri in summer) (2017)

Species	Area/stock	Samples and Data	No. collected	Archived (Y/N)	No. analysed*	Contact person/institute and references
Common minke whale	Western North Pacific	Body length and sex	47	Y		H. Yoshida (NRIFSF), SC/67b/SP
Common minke whale	Western North Pacific	External body proportion	47	Y		H. Yoshida (NRIFSF), SC/67b/SP
Common minke whale	Western North Pacific	Photographic record and external character	47	Y		H. Yoshida (NRIFSF), SC/67b/SP
Common minke whale	Western North Pacific	Diatom film record	47	Y		H. Yoshida (NRIFSF), SC/67b/SP
Common minke whale	Western North Pacific	Body scar record	47	Y		H. Yoshida (NRIFSF), SC/67b/SP
Common minke whale	Western North Pacific	Measurements of blubber thickness (five points)	47	Y		H. Yoshida (NRIFSF), SC/67b/SP

Common minke whale	Western North Pacific	Whole body weight	47	Y		H. Yoshida (NRIFSF), SC/67b/SP
Common minke whale	Western North Pacific	Skin tissues for DNA study	47	Y		H. Yoshida (NRIFSF), SC/67b/SP
Common minke whale	Western North Pacific	Muscle, liver, kidney, spleen, blubber, heart and ventral groove for various analysis	47	Y		H. Yoshida (NRIFSF), SC/67b/SP
Common minke whale	Western North Pacific	Urine for various analysis	9	Y		H. Yoshida (NRIFSF), SC/67b/SP
Common minke whale	Western North Pacific	Muscle, liver, kidney, and blubber for heavy metal analysis	47	Y		H. Yoshida (NRIFSF), SC/67b/SP
Common minke whale	Western North Pacific	Muscle, liver, kidney, and blubber for organochlorine analysis	47	Y		H. Yoshida (NRIFSF), SC/67b/SP

Common minke whale	Western North Pacific	Collection of blood plasma	31	Y		H. Yoshida (NRIFSF), SC/67b/SP
Common minke whale	Western North Pacific	Mammary gland; lactation status, measurement and histological sample	38	Y		H. Yoshida (NRIFSF), SC/67b/SP
Common minke whale	Western North Pacific	Uterine horn; measurements and endometrium sample	38	Y		H. Yoshida (NRIFSF), SC/67b/SP
Common minke whale	Western North Pacific	Collection of ovary	38	Y		H. Yoshida (NRIFSF), SC/67b/SP
Common minke whale	Western North Pacific	Testis weight and histological sample	9	Y		H. Yoshida (NRIFSF), SC/67b/SP
Common minke whale	Western North Pacific	Stomach contents, convenient record	47	Y		H. Yoshida (NRIFSF), SC/67b/SP
Common minke whale	Western North Pacific	Volume and weight of stomach content in each compartment	47	Y		H. Yoshida (NRIFSF), SC/67b/SP
Common minke whale	Western North Pacific	Observation of marine debris in stomach	47	Y		H. Yoshida (NRIFSF), SC/67b/SP
Common minke whale	Western North Pacific	Collection of stomach contents for feeding study	45	Y		H. Yoshida (NRIFSF), SC/67b/SP
Common minke whale	Western North Pacific	Record of external parasites	47	Y		H. Yoshida (NRIFSF), SC/67b/SP
Common minke whale	Western North Pacific	Earplug for age determination	47	Y		H. Yoshida (NRIFSF), SC/67b/SP
Common minke whale	Western North Pacific	Eye lens for age determination	47	Y		H. Yoshida (NRIFSF), SC/67b/SP
Common minke whale	Western North Pacific	Baleen plate measurements (length and breadth)	46	Y		H. Yoshida (NRIFSF), SC/67b/SP
Common minke whale	Western North Pacific	Photographic record of baleen plate series	47	Y		H. Yoshida (NRIFSF), SC/67b/SP
Common minke whale	Western North Pacific	Length of baleen series	46	Y		H. Yoshida (NRIFSF), SC/67b/SP
Common minke whale	Western North Pacific	Vertebral epiphyses sample	42	Y		H. Yoshida (NRIFSF), SC/67b/SP
Common minke whale	Western North Pacific	Number of ribs	47	Y		H. Yoshida (NRIFSF), SC/67b/SP

Common minke whale	Western North Pacific	Skull measurement (length and breadth)	47	Y		H. Yoshida (NRIFSF), SC/67b/SP
Common minke whale	Western North Pacific	Measurements of flipper pigment	15	Y		H. Yoshida (NRIFSF), SC/67b/SP

NEWREP-NP Coastal component (Hachinohe in summer) (2017)

Species	Area/stock	Samples and Data	No. collected	Archived (Y/N)	No. analysed*	Contact person/institute and references
Common minke whale	Western North Pacific	Body length and sex	3	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	External body proportion	3	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Photographic record and external character	3	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Diatom film record	3	Y	-	T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Body scar record	3	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Measurements of blubber thickness (five points)	3	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Detailed measurements of blubber thickness (11 points)	0	N		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Whole body weight	3	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Body weight by parts	0	N		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Skin tissues for DNA study	3	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Muscle, liver, kidney, spleen, blubber, heart	3	Y		T. Isoda (ICR), SC/67b/SP

		and ventral groove for various analysis				
Common minke whale	Western North Pacific	Urine for various analysis	1	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Muscle, liver, kidney, and blubber for heavy metal analysis	3	Y		T. Isoda (ICR), SC/67b/SP

Common minke whale	Western North Pacific	Muscle, liver, kidney, and blubber for organochlorine analysis	3	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Collection of blood plasma	2	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Muscle and vertebra for lipid analysis	0	N		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Mammary gland; lactation status, measurement and histological sample	0	N		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Uterine horn; measurements and endometrium sample	0	N		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Collection of ovary	0	N		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Testis weight and histological sample	3	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Stomach contents, convenient record	3	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Volume and weight of stomach content in each compartment	3	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Observation of marine debris in stomach	3	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Collection of stomach contents for feeding study	3	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Record of external parasites	3	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Earplug for age determination	2	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Eye lens for age determination	3	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Largest baleen plate for morphologic study and age determination	3	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Baleen plate measurements (length and breadth)	3	Y		T. Isoda (ICR), SC/67b/SP

Common minke whale	Western North Pacific	Photographic record of baleen plate series	3	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Length of baleen series	3	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Vertebral epiphyses sample	2	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Number of ribs	3	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Skull measurement (length and breadth)	3	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Skull measurement (detail)	2	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Measurements of flipper pigment	0	N		T. Isoda (ICR), SC/67b/SP

NEWREP-NP Coastal component (Kushiro in autumn) (2017)

species	Area/stock	Samples and Data	No. collected	Archived (Y/N)	No. analysed*	Contact person/institute and references
Common minke whale	Western North Pacific	Body length and sex	35	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	External body proportion	35	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Photographic record and external character	35	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Diatom film record	35	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Body scar record	35	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Measurements of blubber thickness (five points)	35	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Measurements of blubber thickness (11 points)	0	N		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Body weight	35	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Body weight by parts	0	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Skin tissues for DNA analysis	35	Y		T. Isoda (ICR), SC/67b/SP

Common minke whale	Western North Pacific	Muscle, liver, kidney, spleen, blubber, hart, and ventral groove for various analysis	35	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Urine for various analysis	7	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Muscle, liver, kidney, and blubber for heavy	35	Y		T. Isoda (ICR), SC/67b/SP

		metal analysis				
Common minke whale	Western North Pacific	Muscle, liver, kidney, and blubber for organochlorine analysis	35	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Collection of blood plasma	25	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Mammary gland; lactation status, measurement and histological sample	13	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Uterine horn; measurement and endometrium sample	13	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Collection of ovary	13	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Testis weight and histological sample	22	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Stomach content, conventional record	35	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Volume and weight of stomach content in each compartment	35	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Observation of marine debris in stomach	35	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Collection of stomach contents for feeding study	31	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Record of external Parasites	35	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Earplug for age determination	35	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Eye lens for age determination	35	Y		T. Isoda (ICR), SC/67b/SP

	Pacific					
Common minke whale	Western North Pacific	Baleen plate measurements (length and breadth)	35	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Photographic record of baleen plate series	35	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Length of baleen series	35	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Vertebral epiphyses sample	15	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Number of ribs	35	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Skull measurement (length and breadth)	35	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Skull measurement (detail)	24	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Brain weight	0	N		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Measurements of flipper pigment	31	Y		T. Isoda (ICR), SC/67b/SP
Common minke whale	Western North Pacific	Content of large intestine	0	N		T. Isoda (ICR), SC/67b/SP

NEWREP-A (2017/18)

Species	Area/stock	Samples and data	No. collected	Archived (Y/N)	No. analysed*	Contact person/institute and references
Antarctic minke whale	Area VI	Body length and sex	333	Y		T. Bando (ICR), SC/67b/SP
Antarctic minke whale	Area VI	External body proportion	333	Y		T. Bando (ICR), SC/67b/SP
Antarctic minke whale	Area VI	Photographic record of external character	333	Y		T. Bando (ICR), SC/67b/SP
Antarctic minke whale	Area VI	Diatom film record	333	Y		T. Bando (ICR), SC/67b/SP
Antarctic minke whale	Area VI	Measurements of blubber thickness	333	Y		T. Bando (ICR), SC/67b/SP
Antarctic minke whale	Area VI	Body weight	333	Y		T. Bando (ICR), SC/67b/SP
Antarctic minke whale	Area VI	Body weight by parts	6	Y		T. Bando (ICR), SC/67b/SP

Antarctic minke whale	Area VI	Blubber tissues for DNA study	333	Y		T. Bando (ICR), SC/67b/SP
Antarctic minke whale	Area VI	Tissues for chemical analysis	333	Y		T. Bando (ICR), SC/67b/SP
Antarctic minke whale	Area VI	Tissues for physiological study	333	Y		T. Bando (ICR), SC/67b/SP
Antarctic minke whale	Area VI	Mammary gland; lactation status and measurement	181	Y		T. Bando (ICR), SC/67b/SP
Antarctic minke whale	Area VI	Collection of ovary	181	Y		T. Bando (ICR), SC/67b/SP
Antarctic minke whale	Area VI	Foetal number, sex, length and weight	122	Y		T. Bando (ICR), SC/67b/SP
Antarctic minke whale	Area VI	Collection of plasma sample	265	Y		T. Bando (ICR), SC/67b/SP
Antarctic minke whale	Area VI	Measurement of testis weight	152	Y		T. Bando (ICR), SC/67b/SP
Antarctic minke whale	Area VI	Collection of testis tissue	152	Y		T. Bando (ICR), SC/67b/SP
Antarctic minke whale	Area VI	Stomach content, freshness and weight	333	Y		T. Bando (ICR), SC/67b/SP
Antarctic minke whale	Area VI	Stomach contents for feeding study	59	Y		T. Bando (ICR), SC/67b/SP
Antarctic minke whale	Area VI	Record of internal and external parasites	333	Y		T. Bando (ICR), SC/67b/SP
Antarctic minke whale	Area VI	Earplug for age determination	333	Y		T. Bando (ICR), SC/67b/SP
Antarctic minke whale	Area VI	Ocular lens for age determination	333	Y		T. Bando (ICR), SC/67b/SP
Antarctic minke whale	Area VI	Baleen plate for age determination	57	Y		T. Bando (ICR), SC/67b/SP
Antarctic minke whale	Area VI	Vertebral epiphyses sample	282	Y		T. Bando (ICR), SC/67b/SP
Antarctic minke whale	Area VI	Skull measurements (length and breadth)	328	Y		T. Bando (ICR), SC/67b/SP