

# 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-Mar* No.2 and *Kaiyo-Mar* 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-Mar* and *Yushin-Mar* 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-Mar* No.2 and *Kaiyo-Mar* 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-Mar* and *Yushin-Mar* 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
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NEWREP-NP Dedicated Sighting vessel (*Yushin-Mar* and *Yushin-Mar* 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-Mar* and *Yushin-Mar* 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-Mar* 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-Mar* and *Yushin-Mar* 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-Mar* and *Yushin-Mar* 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-Mar* No.2 and *Kaiyo-Mar* 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-Mar* and *Yushin-Mar* 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-Mar* and *Yushin-Mar* 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-Mar* and *Yushin-Mar* 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-Mar* 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

#### 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	3	Y		T. Isoda (ICR), SC/67b/SP

		breadth)				
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
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