

Preface to 2017 KM_B field observer forms

In interpreting these forms, the following information may be useful:

1. Because the frequency of observation can be so high in the field, corrections called in for observations already saved – even observations a few seconds old – usually cannot be immediately edited into the database, as this would require pausing the survey to make each correction. Instead, the correction is noted on the field observer form along with the sequence number of the original recorded observation. These are then applied at the completion of the transect or, if conditions require, during the quality control processing following close of field work.
2. A notation of, say, “207 2U SB 3M” on the form is shorthand for the correction “at the observation labeled as sequence 207, 2 unidentified species should be 3 marbled murrelets.”
3. Check marks are recorded on the field sheet next to each correction applied in the field. These immediate corrections appear in the KM_C Raw Data deliverable.
4. Corrections needing to be made after the survey (for example, erasing a tracklog that was accidentally initiated when nowhere near a transect) are marked on the form with a “QC” annotation. These after the fact corrections are applied to the KM_D Corrected Data product – not to the raw data.
5. Observers only identify groups exhibiting “water” behavior, as specified in the operating protocol KM-2012.1. No flying bird groups were reported in 2017.
6. Transect 006 was aborted within the first few minutes to make way for a cruise ship. It was successfully rerun at a later time.
7. Transect 009 on July 9 had to be aborted because weather was beyond the maximum Beaufort 2 limit required by the protocol. It was rerun from scratch on July 10.



☒ Corrections to auto data capture,
or ☐ Manual record of observations

In Alaska Daylight Time

(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

SEAN KITTLITZ'S MURRELET OBSERVER FORM

This sheet is used as:

☒ Corrections to auto data capture,
or ☐ Manual record of observations

Transect 002

Vessel FOG LAOR Page 1 of 1

Obsrvr 1 BCF

Only observer or left observer of 2-person team

Obsrvr 2 TVP

Right observer of a 2-person team

Start | end 17:52 18:38

In Alaska Daylight Time

Date 7/8/2017

Recorder WFJ

Weather 1

(0) <50 CC (1) >50 CC (2) Fog (3) Mist (4) Rain

Visibility (m) _____

(1) $> 500\text{m}$ (2) $250\text{-}500\text{m}$ (3) $< 250\text{m}$

Beaufort 0/1

(0) Calm (1) -20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

When recording manually, note changes to starting conditions below on a single row between observations

[illegible]

Record key is present only for correction to automated entries.

KIMU OBSERVER FORM.DOCX REVISED 2012-06-06

Transcribe time and location from GPS waypoints after transect is completed.

SEAN KITTLITZ'S MURRELET OBSERVER FORM

This sheet is used as:

☒ Corrections to auto data capture,
or ☐ Manual record of observations

Transect 003

Vessel FOG LARK Page 1 of 1

Obsrvr 1 TJP

Observer 2 RCE Only observer, or left observer of 2-person team

Observer 2 005
Right observer of a 2-person team

Start | end 8:03 | 0:15 /
In Alaska Daylight Time

Date 7/8/2017

Recorder W FJ

Weather 1

(0) <50 CC (1) >50 CC (2) Fog (3) Mist (4) Rain

Visibility (m) _____

(1) $> 500\text{m}$ (2) $250\text{-}500\text{m}$ (3) $< 250\text{m}$

Beaufort

(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

When recording manually, note changes to starting conditions below on a single row between observations

[illegible]

Record key is present only for correction to automated entries.

KIMU OBSERVER FORM.DOCX REVISED 2012-06-06

Transcribe time and location from GPS waypoints after transect is completed.

SEAN KITTLITZ'S MURRELET OBSERVER FORM

This sheet is used as:

☒ Corrections to auto data capture,
or ☐ Manual record of observations

Transect 004

Vessel FOG LARK Page 1 of 1

Observer 1 BAObsrvr 2 TVP

Start | end 6:15 17:05
In Alaska Daylight Time

Date 7/8/2007

Recorder WFS

Weather _____

Visibility (m)

Beaufort 10
(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

When recording manually, note changes to starting conditions below on a single row between observations

[illegible]

Record key is present only for correction to automated entries.

KIMU OBSERVER FORM.DOCX REVISED 2012-06-06

Transcribe time and location from GPS waypoints after transect is completed.

SEAN KITTLITZ'S MURRELET OBSERVER FORM

This sheet is used as:

☒ Corrections to auto data capture,
or ☐ Manual record of observations

Transect 003
 Vessel FOG LARK Page 1 of 1
 Obsvr 1 BCF
 Only observer, or left observer of 2-person team
 Obsvr 2 TVP
 Right observer of a 2-person team
 Start | end 15:15 16:10
 In Alaska Daylight Time

Date 11/8/2017
Recorder WFS
Weather Clear
visibility (m) 1
Beaufort 0/10

When recording manually, note changes to starting conditions below on a single row between observations

[illegible]

Record key is present only for correction to automated entries.

KIMU OBSERVER FORM.DOCX REVISED 2012-06-06

Transcribe time and location from GPS waypoints after transect is completed.

SEAN KITTLITZ'S MURRELET OBSERVER FORM

This sheet is used as:

☒ Corrections to auto data capture,
or ☐ Manual record of observations

Transect

Vessel

Obsrvr 1

Obsrvr 2

Start | end

006

FOG LARK Page 1 of 1

TVP

Only observer, or left observer of 2-person team

BCT.

Right observer of a 2-person team

14:03	15:04
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In Alaska Daylight Time

Date _____

Recorder

Weather

Visibility (m)

Beaufort

7/8/2017

455

1	3	4	2
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(0) <50 CC (1) >50 CC (2) Fog (3) Mist (4) Rain

(1) $> 500\text{m}$ (2) $250\text{-}500\text{m}$ (3) $< 250\text{m}$

(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

When recording manually, note changes to starting conditions below on a single row between observations

[illegible]

Record key is present only for correction to automated entries.

KIMU OBSERVER FORM.DOCX REVISED 2012-06-06

Transcribe time and location from GPS waypoints after transect is completed.



☒ Corrections to auto data capture,
or ☐ Manual record of observations

Date 7/8/2017

Recorder WFS

Weather 1

Visibility (m) 1

Beaufort 1

(0) <50 CC (1) >50 CC (2) Fog (3) Mist (4) Rain

(1) > 500m (2) 250-500m (3) < 250m

(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

[illegible]

Transcribe time and location from GPS waypoints after transect is completed.



☒ Corrections to auto data capture,
or ☐ Manual record of observations

Start | end 8:35 / 9:30
In Alaska Daylight Time

Beaufort 0 1 2

Transcribe time and location from GPS waypoints after transect is completed.



☒ Corrections to auto data capture,
or ☐ Manual record of observations



☒ Corrections to auto data capture,
or ☐ Manual record of observations

Date 7/10/2017

Recorder WES

Weather 1

Visibility (m) 1

Beaufort 1

(0) < 50 CC (1) > 50 CC (2) Fog (3) Mist (4) Rain

(1) > 500m (2) 250-500m (3) < 250m

(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

[illegible]

Transcribe time and location from GPS waypoints after transect is completed.

Transcribe time and location from GPS waypoints after transect is completed.



☒ Corrections to auto data capture,
or ☐ Manual record of observations

Date 7/10/2017

Recorder WF

Weather I

ibility (m) 1
(0) ≤ 50 CC (1) > 50 CC (2) Fog (3) Mist (4) Rain

Beaufort 1
(1) > 500 m (2) 250-500m (3) ≤ 250 m

(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

[illegible]

Transcribe time and location from GPS waypoints after transect is completed.



☒ Corrections to auto data capture,
or ☐ Manual record of observations

Date 7/9/2017

Recorder Wt 5

Weather 3

(0) <50 CC (1) >50 CC (2) Fog (3) Mist (4) Rain

Visibility (m) _____

(1) $> 500\text{m}$ (2) $250\text{-}500\text{m}$ (3) $< 250\text{m}$

Beaufort 2
(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

Record key is present only for correction to automated entries.

Transcribe time and location from GPS waypoints after transect is completed.

SEAN KITTLITZ'S MURRELET OBSERVER FORM

This sheet is used as:

☒ Corrections to auto data capture,
or ☐ Manual record of observations

Transect 012

Vessel FOG LARK Page 1 of 1

Obsrvr 1 BCF

Only observer, or left observer of 2-person team

Obsrvr 2 108

Right observer of a 2-person team

Start | end 10:41 | 11:10
In Alaska Daylight Time

Date 7/9/2017

Recorder WFS

Weather 4

(0) <50 CC (1) >50 CC (2) Fog (3) Mist (4) Rain

Visibility (m) _____

(1) $> 500\text{m}$ (2) $250\text{-}500\text{m}$ (3) $< 250\text{m}$

Beaufort

(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

When recording manually, note changes to starting conditions below on a single row between observations

[illegible]

Record key is present only for correction to automated entries.

KIMU OBSERVER FORM.DOCX REVISED 2012-06-06

Transcribe time and location from GPS waypoints after transect is completed.



☒ Corrections to auto data capture,
or ☐ Manual record of observations

Date 7/9/2017

Recorder WFS

Weather 4

(0) ≤ 50 CC (1) > 50 CC (2) Fog (3) Mist (4) Rain

Visibility (m) _____

(1) $> 500\text{m}$ (2) $250\text{-}500\text{m}$ (3) $< 250\text{m}$

Beaufort 0

(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

[illegible]

Transcribe time and location from GPS waypoints after transect is completed.



☒ Corrections to auto data capture,
or ☐ Manual record of observations

Date 7/7/2017
Recorder WFO
Weather 1
(0) <50 CC (1) >50 CC (2) Fog (3) Mist (4) Rain
Visibility (m) 1
(1) > 500m (2) 250-500m (3) < 250m
Beaufort 1
(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

[illegible]

Transcribe time and location from GPS waypoints after transect is completed.

SEAN KITTLITZ'S MURRELET OBSERVER FORM

This sheet is used as:

☒ Corrections to auto data capture,
or ☐ Manual record of observations

Transect

Vessel

Obsrvr 1

Obsrvr 2

Start | end

Only observer or left observer of 2-person team

Right observer of a 2-person team

In Alaska Daylight Time

Date _____

Recorder

Weather

Visibility (m)

Beaufort

(0) <50 CC (1) >50 CC (2) Fog (3) Mist (4) Rain

(1) $> 500\text{m}$ (2) $250\text{-}500\text{m}$ (3) $< 250\text{m}$

(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

When recording manually, note changes to starting conditions below on a single row between observations

[illegible]

Record key is present only for correction to automated entries.

KIMU OBSERVER FORM.DOCX REVISED 2012-06-06

Transcribe time and location from GPS waypoints after transect is completed.

SEAN KITTLITZ'S MURRELET OBSERVER FORM

This sheet is used as:

☒ Corrections to auto data capture,
or ☐ Manual record of observations

Transect

Vessel

Obsrvr 1

Obsrvr 2

Start | end

Only observer, or left observer of 2-person team

Right observer of a 2-person team

In Alaska Daylight Time

Date _____

Recorder

Weather

Visibility (m)

Beaufort

(0) $< 50^\circ\text{C}$ (1) $> 50^\circ\text{C}$ (2) Fog (3) Mist (4) Rain

(1) $> 500\text{m}$ (2) $250-500\text{m}$ (3) $< 250\text{m}$

(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

When recording manually, note changes to starting conditions below on a single row between observations

[illegible]

Record key is present only for correction to automated entries.

KIMU OBSERVER FORM.DOCX REVISED 2012-06-06

Transcribe time and location from GPS waypoints after transect is completed.



☒ Corrections to auto data capture,
or ☐ Manual record of observations

Date 7/7/2017

Recorder WFO

Weather _____

(0) <50 CC (1) >50 CC (2) Fog (3) Mist (4) Rain

Visibility (m) _____

(1) $> 500\text{m}$ (2) $250\text{-}500\text{m}$ (3) $< 250\text{m}$

Beaufort 1

(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

[illegible]

Transcribe time and location from GPS waypoints after transect is completed.



☒ Corrections to auto data capture,
or ☐ Manual record of observations

Date 7/2/2017

Recorder WFO

Weather 0

(0) <50 CC (1) >50 CC (2) Fog (3) Mist (4) Rain

Visibility (m) 1

(1) > 500m (2) 250-500m (3) <250m

Beaufort 1

(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

[illegible]

Transcribe time and location from GPS waypoints after transect is completed.



☒ Corrections to auto data capture,
or ☐ Manual record of observations

Date 7/7/2017

Recorder WFS

Weather 0

(0) <50 CC (1) >50 CC (2) Fog (3) Mist (4) Rain

Visibility (m) 1

(1) > 500m (2) 250-500m (3) < 250m

Beaufort 011

(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

Transcribe time and location from GPS waypoints after transect is completed.



☒ Corrections to auto data capture,
or ☐ Manual record of observations

Date 7/7/2017

Recorder WFS

Weather 0

(0) < 50 °C (1) > 50 °C (2) Fog (3) Mist (4) Rain

Visibility (m) 1

(1) > 500m (2) 250-500m (3) < 250m

Beaufort 0

(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

[illegible]

Transcribe time and location from GPS waypoints after transect is completed.



☒ Corrections to auto data capture,
or ☐ Manual record of observations

Beaufort 

(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

[illegible]

KIMU OBSERVER FORM.DOCX REVISED 2012-06-06



☒ Corrections to auto data capture,
or ☐ Manual record of observations

In Alaska Daylight Time

When recording manually, note changes to starting conditions below on a single row between observations

[illegible]

KIMU OBSERVER FORM.DOCX REVISED 2012-06-06



☒ Corrections to auto data capture,
 or ☐ Manual record of observations

Date 7/6/2017

Recorder WFS

Weather 0

(0) <50 CC (1) >50 CC (2) Fog (3) Mist (4) Rain

Visibility (m) 1

(1) > 500m (2) 250-500m (3) < 250m

Beaufort 12

(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

Transcribe time and location from GPS waypoints after transect is completed.



☒ Corrections to auto data capture,
or ☐ Manual record of observations

Date 7/6/2017

Recorder WFS

Weather 0

(0) <50 CC (1) >50 CC (2) Fog (3) Mist (4) Rain

Visibility (m) 1

(1) $> 500\text{m}$ (2) $250\text{-}500\text{m}$ (3) $< 250\text{m}$

Beaufort 9

In Alaska Daylight Time

(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

[illegible]

Transcribe time and location from GPS waypoints after transect is completed.

Transcribe time and location from GPS waypoints after transect is completed.



☒ Corrections to auto data capture,
or ☐ Manual record of observations

(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m



☒ Corrections to auto data capture,
or ☐ Manual record of observations

Date 7/10/2017

Recorder W FJ

Weather 1

(0) ≤ 50 CC (1) > 50 CC (2) Fog (3) Mist (4) Rain

	(1) 50°C	(2) 10°C	(3) Mist	(4) Rain
Visibility (m)	100	100	100	100

(1) $> 500\text{m}$ (2) $250\text{--}500\text{m}$ (3) $< 250\text{m}$

Beaufort 1000m (1) 1000m (2) 250-500m (3) < 250m

(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

When recording manually, note changes to starting conditions below on a single row between observations

[illegible]

Record key is present only for correction to automated entries.

KIMU OBSERVER FORM.DOCX REVISED 2012-06-06

Transcribe time and location from GPS waypoints after transect is completed.



☒ Corrections to auto data capture,
or ☐ Manual record of observations

Date 7/10/2017

Recorder WFS

Weather 1

Visibility (m) 1

Beaufort 1

(0) <50 CC (1) >50 CC (2) Fog (3) Mist (4) Rain

(1) > 500m (2) 250-500m (3) < 250m

(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

[illegible]

Transcribe time and location from GPS waypoints after transect is completed.



☒ Corrections to auto data capture,
or ☐ Manual record of observations

Date 7/10/2017

Recorder WFO

Weather 1

(0) <50 CC (1) >50 CC (2) Fog (3) Mist (4) Rain

Visibility (m) 1

(1) > 500m (2) 250-500m (3) < 250m

Beaufort 1

(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

[illegible]

Transcribe time and location from GPS waypoints after transect is completed.

SEAN KITTLITZ'S MURRELET OBSERVER FORM

This sheet is used as:

☒ Corrections to auto data capture,
or ☐ Manual record of observations

Transect 205

Date 7/10/2017

Vessel FOG LARK Page 1 of 1

Recorder WFS

Obsrvr 1 BCF

Weather 1

Only observer, or left observer of 2-person team

(0) $< 50^\circ\text{C}$ (1) $> 50^\circ\text{C}$ (2) Fog (3) Mist (4) Rain

Obsrvr 2 1 V P

Visibility (m) _____

Right observer of a 2-person team

(1) $> 500\text{m}$ (2) $250\text{-}500\text{m}$ (3) $< 250\text{m}$

Start | end 14:24 | 15:04

Beaufort _____

In Alaska Daylight Time

(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

When recording manually, note changes to starting conditions below on a single row between observations

[illegible]

Record key is present only for correction to automated entries.

KIMU OBSERVER FORM.DOCX REVISED 2012-06-06

Transcribe time and location from GPS waypoints after transect is completed.

SEAN KITTLITZ'S MURRELET OBSERVER FORM

This sheet is used as:

☒ Corrections to auto data capture,
or ☐ Manual record of observations

Transect 206

Date 11/7/2017

Vessel FOG LARK Page 1 of 1

Recorder WFO

Obsrvr 1 TVP

Weather 5

Obsvr 2 BCE

Visibility (m) _____

Start | end | 16:31 | 16:49

Beaufort 21

Only observer, or left observer of 2-person team

Right observer of a 2-person team

In Alaska Daylight Time

(0) <50 CC (1) >50 CC (2) Fog (3) Mist (4) Rain

(1) $> 500\text{m}$ (2) $250\text{-}500\text{m}$ (3) $< 250\text{m}$

(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

When recording manually, note changes to starting conditions below on a single row between observations

[illegible]

Record key is present only for correction to automated entries.

KIMU OBSERVER FORM.DOCX REVISED 2012-06-06

Transcribe time and location from GPS waypoints after transect is completed.



☒ Corrections to auto data capture,
or ☐ Manual record of observations

In Alaska Daylight Time

When recording manually, note changes to starting conditions below on a single row between observations

[illegible]

Transcribe time and location from GPS waypoints after transect is completed.



☒ Corrections to auto data capture,
or ☐ Manual record of observations

Beaufort
(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m



☒ Corrections to auto data capture,
or ☐ Manual record of observations

Date 7/9/2017

Recorder WFS

Weather 4

Visibility (m) 1
(1) > 500m (2) 250-500m (3) < 250m

Beaufort 2
(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

[illegible]

Transcribe time and location from GPS waypoints after transect is completed.



☒ Corrections to auto data capture,
or ☐ Manual record of observations

Date 7/9/2017

Recorder WFS

Weather 1

Visibility (m) 1

Beaufort 2

(0) < 50 CC (1) > 50 CC (2) Fog (3) Mist (4) Rain
(1) > 500m (2) 250-500m (3) < 250m
(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

[illegible]

Transcribe time and location from GPS waypoints after transect is completed.



☒ Corrections to auto data capture,
or ☐ Manual record of observations

Date 7/8/2017

Recorder WFS

Weather 1

Visibility (m) 1

Beaufort 1

(0) <50 CC (1) >50 CC (2) Fog (3) Mist (4) Rain

(1) >500m (2) 250-500m (3) <250m

(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

[illegible]

Transcribe time and location from GPS waypoints after transect is completed.



☒ Corrections to auto data capture,
or ☐ Manual record of observations

Date 7/8/2017

Recorder WFL

Weather 1

Visibility (m) 1

Beaufort 1

(0) <50 CC (1) >50 CC (2) Fog (3) Mist (4) Rain

(1) > 500m (2) 250-500m (3) < 250m

(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

[illegible]

Transcribe time and location from GPS waypoints after transect is completed.



☒ Corrections to auto data capture,
or ☐ Manual record of observations

Date 7/9/2017

Recorder WFS

Weather 3
(0) <50 CC (1) >50 CC (2) Fog (3) Mist (4) Rain

Visibility (m) 1
(1) > 500m (2) 250-500m (3) < 250m

Beaufort 2
(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

Transcribe time and location from GPS waypoints after transect is completed.



☒ Corrections to auto data capture,
or ☐ Manual record of observations

In Alaska Daylight Time

When recording manually, note changes to starting conditions below on a single row between observations

Transcribe time and location from GPS waypoints after transect is completed.

SEAN KITTLITZ'S MURRELET OBSERVER FORM

This sheet is used as:

☒ Corrections to auto data capture,
or ☐ Manual record of observations

Transect

Vessel

Obsrvr 1

Obsrvr 2

Start | end

215

FOG LARK

Page 1 of 1

BCE

Only observer, or left observer of 2-person team

207

Right observer of a 2-person team

0:25
In Alaska Daylight Time

Date

Recorder

Weather

Visibility (m)

Beaufort

7/8/2017

WFS

3	4	3
---	---	---

(0) $< 50^\circ\text{C}$ (1) $> 50^\circ\text{C}$ (2) Fog (3) Mist (4) Rain

(1) $> 500\text{m}$ (2) $250\text{-}500\text{m}$ (3) $< 250\text{m}$

(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

When recording manually, note changes to starting conditions below on a single row between observations

[illegible]

Record key is present only for correction to automated entries.

KIMU OBSERVER FORM.DOCX REVISED 2012-06-06

Transcribe time and location from GPS waypoints after transect is completed.



☒ Corrections to auto data capture,
or ☐ Manual record of observations

Date 7/8/2017

Recorder WFS

Weather 1131

Only observer, or left observer of 2-person team

Observer 2 TVP

Right observer of a 2-person team

Start | end | 11:21 | 12:13

Visibility (m) _____

Beaufort

(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

When recording manually, note changes to starting conditions below on a single row between observations

[illegible]

Record key is present only for correction to automated entries.

KIMU OBSERVER FORM.DOCX REVISED 2012-06-06

Transcribe time and location from GPS waypoints after transect is completed.



☒ Corrections to auto data capture,
or ☐ Manual record of observations

Date 7/7/2017

Recorder WFT

Weather 0

Visibility (m) 1

Beaufort 1

(0) <50 CC (1) >50 CC (2) Fog (3) Mist (4) Rain
(1) > 500m (2) 250-500m (3) < 250m
(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

[illegible]

Transcribe time and location from GPS waypoints after transect is completed.



☒ Corrections to auto data capture,
or ☐ Manual record of observations

Date 7/7/2017

Recorder WFS

Weather 1

(0) <50 CC (1) >50 CC (2) Fog (3) Mist (4) Rain

Visibility (m) 1

(1) > 500m (2) 250-500m (3) <250m

Beaufort 1

(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

[illegible]

Transcribe time and location from GPS waypoints after transect is completed.



☒ Corrections to auto data capture,
or ☐ Manual record of observations

Date 7/17/2017

Recorder WFD

Weather 0

Visibility (m) 1
(1) > 500m (2) 250-500m (3) < 250m

Beaufort 1/2/1
(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

[illegible]

Transcribe time and location from GPS waypoints after transect is completed.

SEAN KITTLITZ'S MURRELET OBSERVER FORM

This sheet is used as:

☒ Corrections to auto data capture,
or ☐ Manual record of observations

Transect 220

Vessel FOE LARK Page 1 of 1

Observer 1 BCF

Obsvr 2 TUP
Only observer, or left observer of 2-person team
Right observer of a 2-person team

Start | end 14:22 14:55
In Alaska Daylight Time

Date 7/7/2017

Recorder WFJ

Weather

Visibility (m)	1	2	3	4
1	1	1	1	1
2	1	1	1	1
3	1	1	1	1
4	1	1	1	1

Beaufort 01/01/11

When recording manually, note changes to starting conditions below on a single row between observations

[illegible]

Record key is present only for correction to automated entries.

KIMU OBSERVER FORM.DOCX REVISED 2012-06-06

Transcribe time and location from GPS waypoints after transect is completed.



☒ Corrections to auto data capture,
or ☐ Manual record of observations

Start | end 14:21 14:40
In Alaska Daylight Time

Beaufort 0
(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

Transcribe time and location from GPS waypoints after transect is completed.