

Preface to 2019 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 approximate 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 10U SB 5M+5U” on the form is shorthand for the correction “at the observation labeled as sequence 207, a group of 10 unidentified species should instead be 5 marbled murrelets + 5 unidentified species.”
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. Other specified 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 dated “QC” annotation. These after the fact corrections are applied to the KM_D Corrected Data product but not to the KM_C raw data which is kept in its original state.
5. In 2019 transect 025 was terminated 1,200 meters prematurely due to ice pack.



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

Date 2/6/2019

Recorder WFS

Weather D

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

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

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 002

Date 11/3/2019

Vessel FOG LARK Page 1 of 1

Recorder WFS

Obsrvr 1 MDK

Weather _____

Only observer, or left observer of 2-person team

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

Obsvr 2 STA

Visibility (m) _____

Right observer of a 2-person team.

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

Start | end 8:28 | 9:37

Beaufort 511

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.



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

Date 7/10/2019

Recorder WFS

Weather 0

(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

In Alaska Daylight Time

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

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



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or ☐ Manual record of observations



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or ☐ Manual record of observations

(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.



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☒ 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

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

(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.

SEAN KITTLITZ'S MURRELET OBSERVER FORM

This sheet is used as:

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Transect 012

Date 7/14/2019

Vessel FOG LARK Page 1 of 1

Recorder WFS

Observer 1 MDK

Weather

Only observer, or left observer of 2-person team

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

Obsvr 2 STH

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 14:26 | 14:59

Beaufort _____

In Alaska Daylight Time

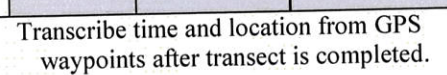
(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

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.

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



SEAN KITTLITZ'S MURRELET OBSERVER FORM

This sheet is used as:

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Transect 014

Vessel FOG LARK Page 1 of 1

Obsvr 1 MDK

Only observer, or left observer of 2-person team

Obsrvr 2 STH

Right observer of a 2-person team

Start | end 11:30 | 11:30

In Alaska Daylight Time

Date 7/12/2019

Recorder WFS

Weather _____

(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

(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.

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



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

Date 7/12/2019

Recorder WFS

Weather 1

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

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

0 1 2 3 4

(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

In Alaska Daylight Time

(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

(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 7/8/2019

Recorder W F J

Weather 0

Visibility (m) 1

Beaufort 0

(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.

SEAN KITTLITZ'S MURRELET OBSERVER FORM

This sheet is used as:

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

Transect 019

Date 7/8/2019

Vessel FAG LARK Page 1 of 1

Recorder WFS

Observer 1 MDK

Weather 0

Only observer, or left observer of 2-person team

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

Observer 2 STH

Visibility (m) 1

Right observer of a 2-person team

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

Start	end	9:24	9:50
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Beaufort 0

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.

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

[illegible]

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

Date 7/7/2019

Recorder WFJ

Weather *0*

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

Visibility (m) _____

Right observer of a 2-person team.

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

Beaufort 

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.



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



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

Date 7/7/2019

Recorder *WFS*

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 2/1

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.

SEAN KITTLITZ'S MURRELET OBSERVER FORM

This sheet is used as:

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

Transect 025
Vessel FOX LARK Page 1 of 1
Obsvr 1 MPK
Only observer, or left observer of 2-person team
Obsvr 2 STH
Right observer of a 2-person team
Start | end 13:50 | 14:15
In Alaska Daylight Time

Date 7/7/2019
Recorder WFO
Weather 0
visibility (m) 1
(1) > 500m (2) 250-500m (3) < 250m
Beaufort 0/1
(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.

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



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

Date 7/9/2019

Recorder WFJ

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

(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

[illegible]

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☒ 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

[illegible]

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

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.



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

Date 7/13/2019

Recorder WFO

Weather

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

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

Beaufort 110

(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



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

Beaufort 011
(0) Calm (1) 1-20 cm (2) 20-50 cm (3) 0.5-1 m (4) 1-2 m

[illegible]

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

Date 7/13/2019

Recorder WFJ

Weather 1

ibility (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.



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

Date 7/12/2019
Recorder WFD
Weather 1
visibility (m) 1
Beaufort 110

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

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

(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:

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Transect III

Vessel FOG LARK Page 1 of 1

Obsrvr 1 MDK

Only observer, or left observer of 2-person team

Obsrvr 2 STH

Right observer of a 2-person team

Start | end 13:45 | 14:47
In Alaska Daylight Time

In Alaska Daylight Time

Date 7/9/2019

Recorder WET

Weather

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

Visibility (m) _____

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

(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]

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



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

SEAN KITTLITZ'S MURRELET OBSERVER FORM

This sheet is used as:

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

Transect 114

Vessel FOG LARK Page 1 of 1

Observer 1 Duck

Only observer, or left observer of 2-person team

Obsvr 2 STH

Right observer of a 2-person team

Start | end 16:45 | 15:35

In Alaska Daylight Time

Date 6/19/2019

Recorder WFS

Weather

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

Visibility (m) _____

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



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