

Preface to 2018 KM_B field observer forms

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

1. The 2018 survey was exceptionally clean. No after the fact corrections to bird observations were required anywhere.
2. 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.
3. Transect 009 was terminated 20m short of its target endpoint due to a thick kelp bed.
4. Transect 316 was terminated 50m short of its target endpoint due to obstacles present at low tide.
5. Transect 319 was terminated 15m short of its target due to shoal water.

SEAN KITTLITZ'S MURRELET OBSERVER FORM

This sheet is used as:

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

Transect 601

Vessel Catch Page 1 of 1

Obsvr 1 ALS

Obsrvr 2 KJK

Start	end
4:05	4:30

Date 1/9/2018

Recorder WFO

Weather cloudy

Visibility (m) _____

Beaufort D

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 002

Vessel Capalina Page 1 of 1

Obsvr 1 ALS

Only observer, or left observer of 2-person team

Obsvr 2 KJK

Right observer of a 2-person team

Start | end 11:44 | 12:41
In Alaska Daylight Time

In Alaska Daylight Time

Date 7/7/2018

Recorder WES

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 117

(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 7/6/2008

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 10

(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 7/6/2008
Recorder WFO
Weather G
Visibility (m) 1/2
Beaufort 1/2

[illegible]

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

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

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 7/8/2018

Recorder W F J

Weather 1

Visibility (m) 1

Beaufort 1

[illegible]

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



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

Date 7/2/2018

Recorder WFT

Weather 1

(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 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.

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

(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

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



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

Date 11/9/2008

Recorder WFS

Weather

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

Visibility (m) _____

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

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.

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 013

Vessel Capelin Page 1 of 1

Obsrvr 1 ALSObsrvr 2 LJK

Start	end
11:10	11:22

In Alaska Daylight Time

Date 7/9/2018

Recorder WFD

Weather

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

Visibility (m) _____

(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

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

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 013

Vessel Capelin Page 1 of 1

Obsrvr 1 ALS

Obsrvr 2 KJK

Start | end 14:32 15:03

Only observer, or left observer of 2-person team

Right observer of a 2-person team

In Alaska Daylight Time

Date 7/5/2018

Recorder W E R

Weather 0

Visibility (m) _____

Beaufort 1

(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 7/5/2018

Recorder Wf S

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 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.

SEAN KITTLITZ'S MURRELET OBSERVER FORM

This sheet is used as:

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

Transect 001

Vessel Cape Lin Page 1 of 1

Obsrvr 1 ACS

Only observer, or left observer of 2-person team

Obsrvr 2 LOK

Right observer of a 2-person team

Start | end 15:15 17:53

In Alaska Daylight Time

Date 7/5/2018

Recorder 1210

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 01

(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 818
Vessel Capeelin Page 1 of 1
Obsrvr 1 ALS
Only observer, or left observer of 2-person team
Obsrvr 2 KOK
Right observer of a 2-person team
Start | end 10:00 | 10:19
In Alaska Daylight Time

Date 7/8/20

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

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 7/8/2018

Recorder WFS

Weather 1

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

Beaufort D

(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 020

Vessel Capeelin Page 1 of 4

Obsrvr 1 ALS

Only observer, or left observer of 2-person team

Obsvr 2 KGC

Right observer of a 2-person team

Start | end 9:28 | 10:02

In Alaska Daylight Time

Date 1/6/2018

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

(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 021

Vessel Capatin Page 1 of 1

Obsrvr 1 ALS

Only observer or left observer of 2-person team

Obsrvr 2 KJK

Right observer of a 2-person team

Start | end 10:25 | 10:42
In Alaska Daylight Time

Date 7/6/2018

Recorder WES

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 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.

KIMU OBSERVER FORM.DOCX REVISED 2012-06-06

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

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 023

Vessel Capelin Page 1 of 1

Obsrvr 1 AL'SObsrvr 2 KJK

Start	end
13:23	13:48

Only observer, or left observer of 2-person team

Right observer of a 2-person team

In Alaska Daylight Time

Date 7/6/2009

Recorder WTSWeather 0

Visibility (m) _____

Beaufort 01

(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 024

Vessel Capelin Page 1 of 1

Observer 1 ALS

Only observer, or left observer of 2-person team

Obsrvr 2 LC JK
Right observer of a 2-person team

Start | end 11:34 | 11:53
In Alaska Daylight Time

Date 7/6/2008

Recorder WFO

Weather 0

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

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

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.

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



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

Date 7/4/2018

Recorder WFO

Weather 0

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

Date 7/14/2018

Recorder WFSWeather 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	211	0
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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 303
Vessel Capelin Page 1 of 1
Obsrvr 1 ALS
Only observer, or left observer of 2-person team
Obsrvr 2 KSK
Right observer of a 2-person team
Start | end 12:45 | 13:40
In Alaska Daylight Time

Date 7/1/2018

Recorder WFS

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

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 304

Vessel Capefin Page 1 of 1

Obsrvr 1 ALS

Only observer, or left observer of 2-person team

Observer 2: FOR
Right observer of a 2-person team

Start | end 16:37 | 17:01
In Alaska Daylight Time

Date 11/20/8

Recorder WFO

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 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.

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 7/4/2018

Recorder WFS

Weather 0

Visibility (m) 1

Beaufort 0 1 2 1 0

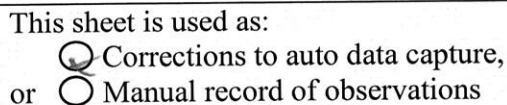
(0) <50 CC (1) >50 CC (2) Fog (3) Mist (4) Rain

(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.



Date 7/7/2018

Recorder WFO

Weather 1

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

Visibility (m) 1/10

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

Beaufort 0/1/6

(0) Calm (1) 120 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:

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

Transect 307

Vessel Cg Palin Page 1 of 1

Observer 1 AIS

Only observer, or left observer of 2-person team

Obsvr 2 KJK

Right observer of a 2-person team

Start | end 9:59 | 10:35

In Alaska Daylight Time

Date 7/7/2018

Recorder WES

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

(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 308

Vessel Carolyn Page 1 of 1

Observer 1 ALS

Only observer, or left observer of 2-person team

Obsvr 2 LJK

Right observer of a 2-person team

Start | end 9:22 | 9:43

In Alaska Daylight Time

Date 7/7/2018

Recorder WFO

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

(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 309

Vessel Capelin Page 1 of 1

Obsvr 1 ALS

Only observer, or left observer of 2-person team

Obsrvr 2 ESK

Right observer of a 2-person team

Start | end 8:50 | 9:15

In Alaska Daylight Time

Date 1/17/2018

Recorder WFO

Weather _____

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

Visibility (m) _____

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

Beaufort 170

(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 7/6/2018

Recorder WFG

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

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



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

Date 7/8/2018
Recorder WFJ
Weather 1
Visibility (m) 1
Beaufort 0/1-0

[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 312
Vessel Capelin Page 1 of 1
Obsrvr 1 ALS
Only observer, or left observer of 2-person team
Obsrvr 2 EJK
Right observer of a 2-person team
Start | end 12:50 | 13:05
In Alaska Daylight Time

Date 7/9/2018

Recorder WFO

Weather 1

Visibility (m) 1

Beaufort 1 (2)

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 7/9/2018

Recorder WFS

Weather 2

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

Visibility (m) 1/2/3/2/1/2/3

(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

Date 7/5/2018

Recorder WFO

Weather 0

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

Visibility (m) 9

(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

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



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

Date 7/8/2008

Recorder WFO

Weather 1

Visibility (m) 1

Beaufort 8

(0) < 30 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 7/8/2018

Recorder WFS

Weather _____

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

Beaufort 0/1/10
(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

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

Date 7/8/2018

Recorder WFS

Weather 1

Visibility (m) 1

Beaufort 110

(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

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



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

Date 7/5/2018

Recorder WFS

Weather 0

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

Beaufort 1
(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

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



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

Date 7/5/2018

Recorder WES

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 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.

SEAN KITTLITZ'S MURRELET OBSERVER FORM

This sheet is used as:

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

Transect 521

Vessel Capatza Page 1 of 1

Obsrvr 1 HyObsrvr 2 KOK

Start | end 17:48 | 18:06

In Alaska Daylight Time

Date 7/13/2018

Recorder WFS

Weather 0

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

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.