

Example 1: Hooking. Earliest incarnation of the Protected Species form (version 00). It includes a brief description on the reverse side. The second form is an early sighting form; this sighting of false killer whales occurred shortly after the interaction.

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PROTECTED SPECIES TALLY SHEET

TRIP NUMBER

DATE (YY MM DD)

SET NO.

0	2	0	3	1	6
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1	1
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SPECIES NAME	CODE	HOOKED	ENTANGLED	CONDITION	LOCATION	REMOVED	SPECIMEN NO.	HOOK NO.	FLOAT NO.	LIGHT STICKS		PHOTO Y/N
										PROXIMITY	COLOR	
1 False Killer Whale	PC	Y	N	I		N	JWB-0002	03	27			N
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
23												

LOCATION OF HOOK

- 1. INGESTED
- 2. HEAD/BEAK
- 3. FLIPPER
- 4. CARAPACE/PLASTRON
- 5. UNKNOWN

CONDITION

- D- DEAD
- A- ALIVE
- I- INJURED
- U- UNKNOWN

COLOR

- 1. BLUE
- 2. GREEN
- 3. BLACK
- 4. PINK
- 5. WHITE
- 6. YELLOW
- 7. MAGENTA
- 8. OTHER

The whale was hooked in the mouth and was alive and struggling when the hook was being retrieved. At least twice during retrieval the whale was able to surface and breathe. As it became more difficult to bring the whale closer the line was cut with about 10-12 feet still on the hook. The whale swam away and appeared in good shape. Water temp. was 83.0°F , time was 20:10.

$6^{\circ}55'.2\text{ N}$; $163^{\circ}19'.8\text{ W}$

Identifying characteristics: All black body, "S" shaped pectoral fin, dorsal fin at mid-body and in a crescent shape, it was about 15-18 feet long, blunt head.

PROTECTED SPECIES INTERACTIONS AND SIGHTING RECORD

SIGHTING NO. DATE (YY MM DD) SET NO.

LATITUDE N/S LONGITUDE E/W

TIME BEGIN TIME END VESSEL ACTIVITY 1. GEAR RETRIEVAL 2. GEAR SET 3. DRIFT/SOAK 4. RUNNING 5. OTHER GEAR ENCOUNTER

DISTANCE TO VESSEL DISTANCE TO GEAR DETERRENT(S) Y/N STREAMER BOMB OTHER

SPECIES NAME

CODE

BEST ESTIMATE

HIGH

LOW

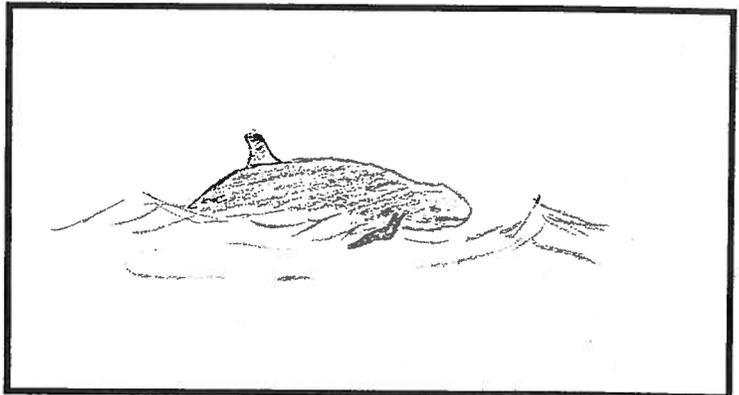
INJURED

DEAD

IDENTIFYING CHARACTERISTICS:

- All black body
- "S" shaped pectoral fin
- circle shaped dorsal fin at mid-body
- roughly 15 feet long
- blunt head

SKETCH IDENTIFYING CHARACTERISTICS:



NARRATIVE:

Two False Killer Whales surfaced about 15 meters from where the crew was hauling gear. After surfacing a couple more times they swam towards the front of the vessel and then I lost sight of them. Shortly afterwards there were four to six individuals repeatedly surfacing around the stern of the vessel and around the gear as it was being retrieved. During this time a bigeye tuna came up with the head only on the hook.

SPECIES NAME

[Species Name Input Box]

CODE

[Code Input Box]

BEST ESTIMATE

[Best Estimate Input Box]

HIGH

[High Input Box]

LOW

[Low Input Box]

INJURED

[Injured Input Box]

DEAD

[Dead Input Box]

IDENTIFYING CHARACTERISTICS

[Identifying Characteristics Text Area]

SKETCH IDENTIFYING CHARACTERISTICS

[Sketch Identifying Characteristics Drawing Area]

SPECIES NAME

[Species Name Input Box]

CODE

[Code Input Box]

BEST ESTIMATE

[Best Estimate Input Box]

HIGH

[High Input Box]

LOW

[Low Input Box]

INJURED

[Injured Input Box]

DEAD

[Dead Input Box]

IDENTIFYING CHARACTERISTICS

[Identifying Characteristics Text Area]

SKETCH IDENTIFYING CHARACTERISTICS

[Sketch Identifying Characteristics Drawing Area]

ADDITIONAL NOTES / SKETCHES

[Additional Notes / Sketches Text Area]

Example 2: Hooking. Earliest incarnation of the Protected Species form (version 00). It includes an extensive description on the reverse side.

PROTECTED SPECIES TALLY SHEET

TRIP NUMBER

DATE (YY MM DD)

SET NO.

0	2	0	9	1	9
---	---	---	---	---	---

0	2
---	---

SPECIES NAME	CODE	HOOKED	ENTANGLED	CONDITION	LOCATION	REMOVED	SPECIMEN NO.	HOOK NO.	FLOAT NO.	LIGHT STICKS		PHOTO Y/N
										PROXIMITY	COLOR	
1 FALSE KILLER WHALE	PC	Y	N	I	I	N		15	09			N
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
23												

LOCATION OF HOOK

- 1. INGESTED
- 2. HEAD/BEAK
- 3. FLIPPER
- 4. CARAPACE/PLASTRON
- 5. UNKNOWN

CONDITION

- D- DEAD
- A- ALIVE
- I- INJURED
- U- UNKNOWN

COLOR

- 1. BLUE
- 2. GREEN
- 3. BLACK
- 4. PINK
- 5. WHITE
- 6. YELLOW
- 7. MAGENTA
- 8. OTHER

AKKIVATIVE

I FIRST CAUGHT SIGHT OF THE WHALE WELL BELOW THE SURFACE (~20 FEET) JUST AS CREW STARTED TO HAUL BRANCH LINE. IT WAS OBVIOUS FROM THE TENSION IN THE LINE THAT THE CATCH WAS QUITE LARGE & STILL ALIVE. A STRUGGLING CREW OF THREE MANAGED TO GET THE WHALE TO THE SURFACE IN ABOUT THREE MINUTES, WHEN IT BROKE THE SURFACE IT CLEARED ITS BLOWHOLE & MADE A HIGH PITCH SQUEAKING NOISE FOR ABOUT FOUR SECONDS THEN IMMEDIATELY DROVE. STRUGGLING FOR ANOTHER MINUTE THE CREW GOT THE WHALE BACK TO THE SURFACE AGAIN & IT REPEATED THE HIGH PITCH SQUEAKING. THE CREW CUT THE LINE JUST AT THE END OF THE LEADER, LEAVING ABOUT 12 INCHES OF WIRE LEADER HANGING FROM THE MOUTH WITH THE HOOK INGESTED. THE WHALE DROVE IMMEDIATELY & WAS OUT OF SIGHT WITHIN FIVE SECONDS NEVER TO BE SEEN AGAIN.

ALTHOUGH THE TWO MOMENTS THAT THE WHALE SURFACED WERE BRIEF I WAS ABLE TO GET A CLEAR VIEW OF KEY CHARACTERISTICS. ON BOTH OCCASIONS THE WHALE BROKE THE SURFACE MOVING SLOWLY IN A CALM & GENTLE MANNER I GOT A CLEAR VIEW OF THE ENTIRE LENGTH OF THE DORSAL SURFACE THE FIRST TIME OUT & A PERFECT PROFILE VIEW OF THE HEAD THE SECOND TIME. THERE WAS NO ENTANGLEMENT WITH EITHER THE BRANCHLINE OR MAINLINE & THERE WERE NO MARKINGS ON THE BODY TO INDICATE A PRIOR ENTANGLEMENT. THE WHALE APPEARED HEALTHY AS IT SWAM AWAY.

4 CHARACTERISTICS

- 1) COLORATION - BODY COLOR UNIFORM SOLID BLACK WITH NO VISIBLE WHITE MARKINGS OR DISCOLORATION (I.E.) NO SADDLE PATCH, NO EYE PATCH, NO COLORATION AROUND LIPS
- 2) DORSAL FIN - PLACEMENT OF DORSAL FIN AT MIDPOINT OF BODY. FALCATE WITH POSTERIOR MARGIN ARISING SMOOTHLY INWARD. POINTED TIP. BASE OF DORSAL NOT NOTICEABLY THICK.
- 3) HEAD SHAPE - BULLET SHAPED PROFILE. SMOOTH TAPER TO TIP OF ROUNDED MOUTH. NO BULBOUS FOREHEAD AS IN PILOT WHALE.
- 4) BODY SHAPE - STREAMLINE & SLIM, TOTAL LENGTH ABOUT 10 FEET.
- 5) BEHAVIORS - HIGH PITCH SQUEAKING SOUND. SLOW & GENTLE MOVEMENTS.

TR INFO

- 1) BAIT - SARDINE DYED BLUE.
- 2) HOOK & LINE - HOOK INGESTED. NO ENTANGLEMENT WITH BRANCH LINE OR MAINLINE. LINE CUT AT END OF WIRE LEADER LEAVING 12 INCHES HANGING FROM MOUTH.

LOCATION INFO

POSITION: 29 09.2 N
149 15.9 W
TIME : 1710

PROFILE



DORSAL FIN



Example 3: Hooking. Second form version (version 88). It has only a brief description of this interaction, on a separate comment form.

Office Use Only.

Initial Review

Second Review

Data keyed

Final Review

Observer ID

DOC/NOAA Fisheries
Pacific Islands Region
Longline Observer Program

Comments

Trip No.

Comments Page No.

01

- Form Types:
- TS Trip Spec
 - SH Set/Haul
 - CL Catch
 - PS Prot Sp.
 - BM Bird Mig
 - GC Gear Ctg
 - TU Turtle
 - BI Bird
 - MM Mammal

- Comment Types:
- DA Damage
 - CO Comment
 - NA Narrative
 - ID ID Char.
 - IJ Injuries

dd/mm/yyyy	Set	Form Type	Page No.	Line No.	Comment Type
08/11					
09/10					
10/11					
11/12					
12/13					
13/14					
14/15					
15/16					
16/17					
17/18					
18/19					
19/20					
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92/93					
93/94					
94/95					
95/96					
96/97					
97/98					
98/99					
99/100					

19/10/2007 11 13 01/01 00
 CUT LINE AT SNAP - NOT ENTANGLED IN LINE - EITHER THROTTLED IN WIDTH
 OR REPTORAL FIN - ANIMAL TRYING TO GET LOOSE, THRASHING ONLY A
 LITTLE - NOT CUDGE ENOUGH TO GET TISSUE SAMPLE - SWIM AWAY
 SNAP WAS JUMPING ON LAMPING USED MECHANICAL CLAW TO REGRAB 3 CUT THRED
 1 BECAUSE IT WAS A FALSE KILLER WHALE - HAD TO SEC. IN VIBRANT SQUID
 JG

Example 4: Hooking. New form version (version MM 04.06.). It has an extensive description of this interaction. The second form is a new sketch form version with additional information about the interaction.

Observer ID

DOC/NOAA Fisheries
Pacific Islands Region

Longline Observer Program
Marine Mammal Biological Data Form

Trip No.

Set No.

Species Code

PC

- Most Common Mammals
- PC False Killer Whale
 - GG Risso's Dolphin
 - GM Shortfinned Pilot Whale
 - UW Whales/Dolphins/Porpoises
 - TT Bottlenose Dolphin
 - MN Humpback Whale

Photo?

Catch Form Page No. 01

Specimen?

Catch Form Line No. 02

Sketch?

Tag? (Enter comments on back of this form.)

Comment?

Disposition Code 03

03

Capture

Date/Time

26 5 2006 18 45

Latitude

29 34.6 N

Longitude

159 58.2 W

Landed

Tags Present?

Date/Time

26 5 2006 18 52

Latitude

29 34.7 N

Longitude

159 58.3 W

Tags Removed?

Tags Applied?

- Disposition Code
- 01 Previously dead
 - 02 Releas. unharmed
 - 03 Releas. injured
 - 04 Died
 - 05 Escaped
 - 06 Treated as catch
 - 07 Other/Unknown

Hooking/Entanglement

Hooked?

Y Yes
N No
U Unknown

Entangled?

Hook Location 02

- 01 Ingested (in esophagus)
02 Head/Beak/Mouth
03 Wing/Front Flipper
04 Body/Shell
05 Unknown
06 Tail
07 Leg/Foot/Rear Flipper

Entangle Location 0

Gear Removal 05

- 00 Unknown
01 Fell from gear, point unknown
02 Fell from gear while in water.
03 Fell from gear once out of water.
04 Fell from gear by force of roller.
05 Removal req. cutting gear/animal
06 Removal with no cutting.
99 Other

Remaining Gear B

- X None
H Hook
L Line
B Both Hook and Line

Describe hook or line and length left on animal:
Sized 3/8 TURN WORK, WITH ROLLER, 1500 FOOT LENGTH COIL

Female

Lactating?

Fetus Gender M Male
 F Female

Fetus Length cm

Curvilinear?

Measurements

Round to the nearest whole cm.

Length cm

Curvilinear?

Girth cm

Flipper Length cm

Light Device

Complete only if light devices were used and the light device type has been indicated on the gear configuration form.

- Color Code
- 01 Blue
 - 02 Green
 - 03 Black
 - 04 Pink
 - 05 White
 - 06 Yellow
 - 07 Magenta
 - 08 Mixed
 - 09 Other
 - 10 Clear
 - 11 Red
 - 12 Orange
 - 13 Silver/Metal

Proximity Code

- 00 On this branch line
- 01 Light is 1 branch line away
- 02 Light is 2 branch lines away
- 03 Light is 3 branch lines away
- 04 None in vicinity

DOC/NOAA Fisheries
Pacific Islands Region
Longline Observer Program

Observer ID

Trip No.

Page No. 01

Catch Form Page No. 01

Catch Form Line No. 02

From front of this form

Marine Mammal Biological Data Form Comments

Comments: At 1843, while hauling set #2 at Float 09, Hook 08, the mainline moved seaward as though it was attached to buoy weight. A mature False Killer whale raised its head out of the water approximately 75m astern of the vessel. The vessel was eased endboard to a halt. After the seeping eye, long-breathed detacher, and two-level of the cut were assembled, several probes were taken. The mainline was slowly retrieved by hand and 9 minutes were spent attempting to bring the whale alongside the vessel. The whale alternated between resting motions at the surface, and swimming slowly from side to side within 5m of the surface. The whale was observed to emit a series of 2-5 high pitched 'distress' barks. The whale did not appear to be overly agitated, in that it did not make any contact attempts. The size of the whale was clearly visible from the left corner of the watch. We were able to pull the whale within 5m of the vessel, but I was unable to obtain a tissue sample. At 1852 the whale 'sounded', breaching the line ~20ft from the boat.

Injuries Description:

The False Killer whale was firmly hooked in the left corner of the watch with a 370 3/6 tuna hook. This along with a short 0.5m wire foot, a 45g lead weight and ~20ft of 2.2mm diameter clear monofilament was left attached upon release. Throughout the encounter the whale appeared healthy with no signs of any abdominal injuries, i.e. fresh cuts, abrasions, swellings, discoloration, and appeared to have full mobility. The whale was breathing and swimming normally and swam away vigorously upon release.

(approximate length 10 feet)

Identifying Characteristics:

The False Killer Whale was identified based on size, coloration, the presence of a large, strongly forked dorsal fin, short, narrow flukes with S-shaped leading edges, long slender head tapering to a rounded snout, small flukes with a distinct notch in middle and slightly pointed tips, and long slender body shape.

Observer ID 11

Date/Time Day 26 Month 5 Year 2006

DOC/NOAA Fisheries
Pacific Islands Region
Longline Observer Program

Sketch

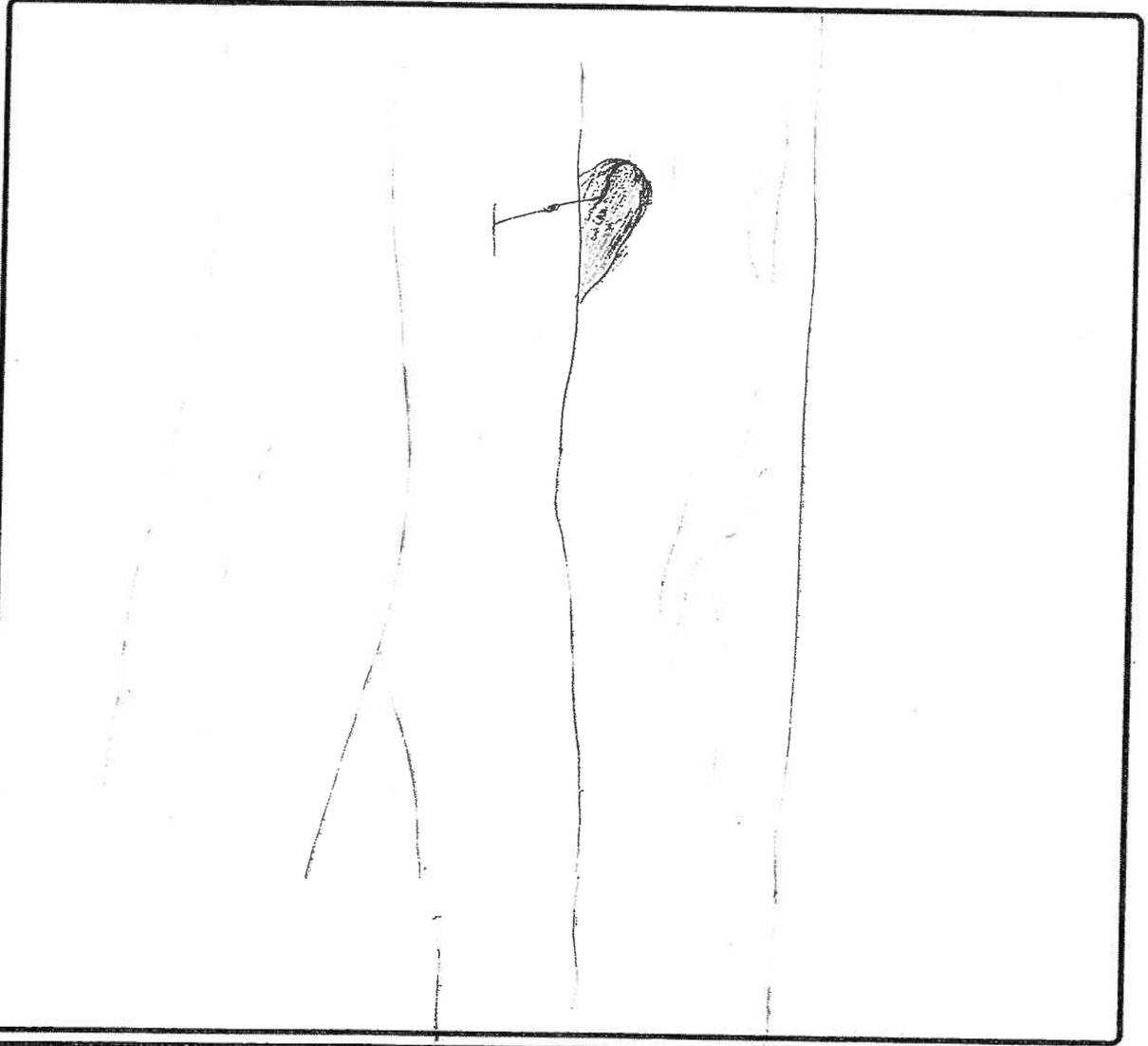
Trip No. 11
Assn. Form Code C2
Page No. 01
Line No. 02

Sketch Caption/Short Description:

Mature False Killer Whale caught on St 02, Float 09, Hook 08, CA 216

Long Description:

At 1843, whale breaching set H-2, just Float 09, Hook 08, the number would slowly off indicating, attached to a hook at night. Another Falsekiller whale rose and breached at the next experiment, 75m east of the vessel. The vessel was moved and brought to about. After the supplies had been checked, debris and logs - brought the cutter were returned several photos were taken. The whale was clearly returned toward east. Animals were seen at length in between the whale alongside the vessel, the whale appeared between resting, underneath of the surface and swimming slowly from side to side within 5m of the surface. The whale was observed to emit a series of 2-5 high pitched, 'distressed' barks. The whale did not appear to be much disturbed, in that it did not interfere with other vessel movements. The size 30 two hook was clearly visible hooked firmly in the left corner of the mouth. We were able to pull the whale within 3m of the vessel, but I was unable to obtain a tissue sample. At 1852 the whale 'swam', launching the top 2200 ft from the vessel. The whale had no notable individual identifying characteristics (scarring, coloration). Upon release



DOC/NOAA Fisheries
 Pacific Islands Region
 Longline Observer Program

Observer ID

Trip No. 44

Assn. Form Code C1

Page No. 01

Line No. 02

From front of this form

Sketch Comments

The whale swam away vigorously throughout the encounter. The whale appeared healthy with no signs of external injury. The whale was breathing and swimming normally and showed full mobility. The false killer whale was identified based on size, coloration, the presence of short, narrow flippers with a slight hooking edge, long slender head tapering to a rounded snout, small flukes, eye marks and white and slightly pinkish lips, and a very slender body shape.

Example 5: Entanglement. Same as previous form (version MM 04.06.). It has an average description of this interaction. The second form is a new sketch form version with additional information about the interaction

Observer ID 7

DOC/NOAA Fisheries
Pacific Islands Region

Longline Observer Program
Marine Mammal Biological Data Form

Trip No. 1111

Set No. 01

Species Code P C

- Most Common Mammals
- PC False Killer Whale
 - GG Risso's Dolphin
 - GM Shortfinned Pilot Whale
 - UW Whales/Dolphins/Porpoises
 - BT Bottlenose Dolphin
 - HN Humpback Whale

Capture

Date/Time Day 11 Month NOV Year 2006 Hour 10 Minute 46

Latitude Deg. 22 Decimal Min. 48 N/S N

Longitude Deg. 157 Decimal Min. 47 E/W W

Landed

Tags Present?

Yes No Unk.

Release

Date/Time Day 11 Month NOV Year 2006 Hour 10 Minute 52

Latitude Deg. 22 Decimal Min. 48 N/S N

Longitude Deg. 157 Decimal Min. 47 E/W W

Disposition Code 03

01 Previously dead
02 Released, unharmed
03 Released, Injured
04 Died
05 Escaped
06 Treated as catch
07 Other/Unknown

Photo?

Catch Form Page No. 03

Specimen?

Catch Form Line No. 03

Sketch?

Tag?

Comment?

(Enter comments on back of this form.)

Hooking/Entanglement

Hooked? Yes No Unknown

Entangled? Yes No Unknown

Hook Location 0

Entangle Location 06

01 Ingested (in esophagus)
02 Head/Beak/Mouth
03 Wing/Front Flipper
04 Body/Shell
05 Unknown
06 Tail
07 Leg/Food/Rear Flipper

Female

Lactating?

Fetus Gender M Male F Female

Fetus Length cm

Curvilinear?

Measurements

Round to the nearest whole cm.

Length cm

Curvilinear?

Girth cm

Flipper Length cm

Gear Removal 05

- 00 Unknown
01 Fell from gear, point unknown
02 Fell from gear while in water.
03 Fell from gear once out of water.
04 Fell from gear by force of roller.
05 Removal req. cutting gear/animal
06 Removal with no cutting.
99 Other

Remaining Gear

- X None
H Hook
L Line
B Both Hook and Line

Describe hook or line and length left on animal:

Light Device

Complete only if light devices were used and the light device type has been indicated on the gear configuration form.

Color Code

01 Blue 06 Yellow 11 Red
02 Green 07 Magenta 12 Orange
03 Black 08 Mixed 13 Silver/Metal
04 Pink 09 Other
05 White 10 Clear

Proximity Code

00 On this branch line
01 Light is 1 branch line away
02 Light is 2 branch lines away
03 Light is 3 branch lines away
04 None in vicinity

DOC/NOAA Fisheries
Pacific Islands Region
Longline Observer Program

Observer ID

Trip No.

Page No.

Catch Form Page No.

Catch Form Line No.

01

03

03

Marine Mammal Biological Data Form Comments

Comments:

While heading out to the SE and observing a group of 3 False killer whales swimming around the boat a male False killer whale was caught on Float 59, Breaching 1hr. The boat was stopped, and we went around to observe the whale. Several photos depicting the entanglement were taken. The whale was disentangled and released before a specimen could be collected. The whale was calm and cooperative throughout the encounter continues noted *unavailable* briefly.

Injuries Description:

The whale, which had a patch of bleaching to its back, was wrapped around the float. There were no visible signs of external injury (scratching, abrasion, discoloration or swelling) at the site of entanglement. The whale was cut ~ 1ft from site of entanglement and it came free of the animal. The whale swam vigorously away along the surface following release with no apparent signs of injury and no gear attached to the animal.

Identifying Characteristics:

Long slender body (A ~ 18ft), tapering to a wedge-shaped head, tall, forked dorsal fin, uniform dark coloration.

Date/Time Day 11 Month NOV Year 2006

DOC/NOAA Fisheries
Pacific Islands Region
Longline Observer Program

Trip No. 11

Assn. Form Code C12

Page No. 03

Line No. 03

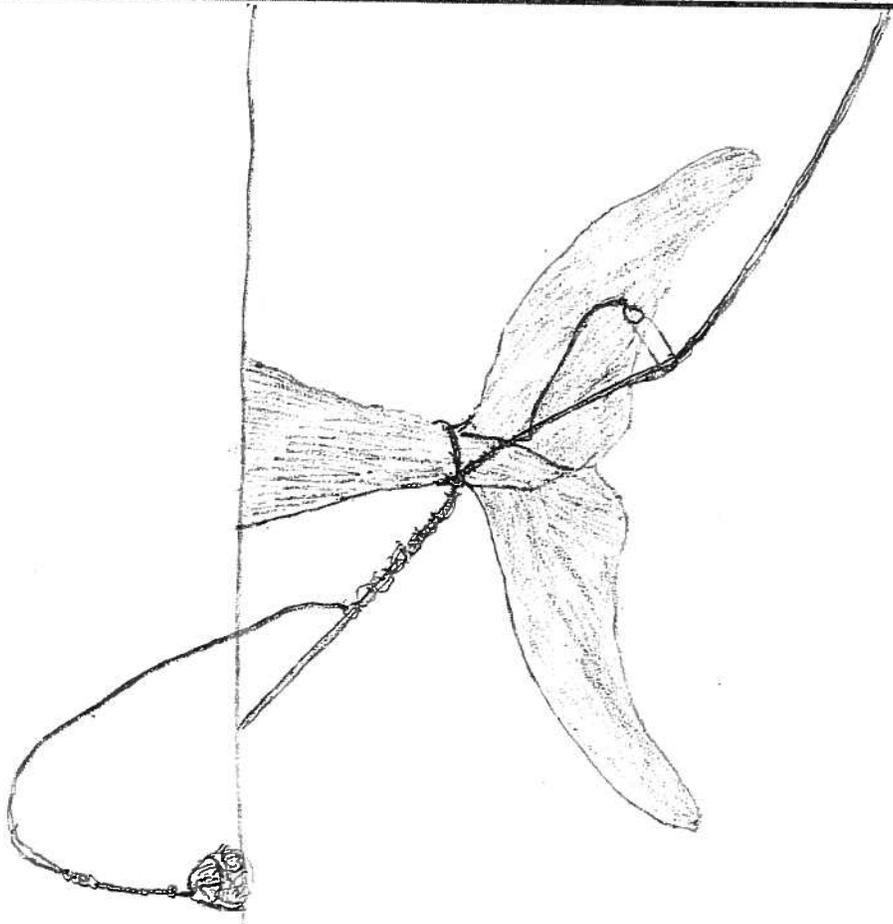
Sketch Caption/Short Description:

False Killer Whale caught on set 01

Long Description:

Sketch depicts the fluke of a False
Killer whale caught on set 01, Fleet 50, Breeding
1/0. The whale can be seen wrapped with a
branchline and looped once around the
whale's tail stock. Forming a half circle.
The branchline is hooked to a Brown Tern
hook, which has two plumes. The hook's
point is completely buried in the Tern's
feet.

Sketch



Example 6: Hooking- New form version (version MM 07.03).It has an average description of this interaction. The second form is a 'test version' of the next form version; the observer filled it out to help us assess it.

Observer ID

DOC/NOAA Fisheries
Pacific Islands Region
Longline Observer Program

Marine Mammal Biological Data Form

Trip No.

Set No.

Species Code

P A

Most Common Mammals
PC False Killer Whale
GG Risso's Dolphin
GM Short-Finned Pilot Whale
TT Bottlenose Dolphin
MN Humpback Whale

Photo?

Catch Form Page No.

07

Specimen?

Catch Form Line No.

07

Capture

Date/Time: Day 16, Month SEP, Year 2007, Hour 00, Minute 09

Latitude: Deg. 15, Decimal Min. 55.2, N/S N

Longitude: Deg. 160, Decimal Min. 06.6, EW W

Landed

Tags Present? Yes, No, Unk.

Release

Date/Time: Day 16, Month SEP, Year 2007, Hour 00, Minute 12

Latitude: Deg. 15, Decimal Min. 55.2, N/S N

Longitude: Deg. 160, Decimal Min. 06.6, EW W

Disposition Code

05

Tags Applied? Yes, No, Unk.

Hooking/Entanglement

Hooked? Yes, No, Unknown

Entangled? Yes, No, Unknown

Hook Location

0 2

Entangle Location

0

- 01 Ingested (in esophagus)
- 02 Head/Beak/Mouth
- 03 Front Flipper
- 04 Body
- 05 Unknown
- 06 Tail
- 07 Rear Flipper

Gear Removal

0 2

- 00 Unknown
- 01 Fell from gear, point unknown
- 02 Fell from gear while in water
- 03 Fell from gear once out of water
- 04 Fell from gear by force of roller
- 05 Removal req. cutting gear/animal
- 06 Removal with no cutting
- 99 Other

Remaining Gear

X None, H Hook, L Line, B Both Hook and Line

Describe hook or line and length left on animal.

Female

Lactating?

Fetus Gender

M Male, F Female

Fetus Length

Curvilinear?

Measurements

Round to the nearest whole cm.

Length

Curvilinear?

Girth

Flipper Length

Light Device

Complete only if light devices were used and the light device type has been indicated on the gear configuration form.

- 01 Blue
- 02 Green
- 03 Black
- 04 Pink
- 05 White
- 06 Yellow
- 07 Magenta
- 08 Mixed
- 09 Other
- 10 Clear
- 11 Red
- 12 Orange
- 13 Silver/Metal

Proximity Code

0

- 00 On this branch line
- 01 Light is 1 branch line away
- 02 Light is 2 branch lines away
- 03 Light is 3 branch lines away
- 04 None in vicinity

Observer ID

DOC/NOAA Fisheries
Pacific Islands Region
Longline Observer Program

From front of this form

Trip No. [1]

Page No. [01]

Catch Form Page No. [02]

Catch Form Line No. [07]

Marine Mammal Biological Data Form Comments

Comments:

During haul, about 20m from vessel, I saw a large pointed dorsal fin on a 3-4m slender whale hooked on a line. The vessel was stopping and I advised the crew to bring it along side to get a specimen. Tried to get a photo. While the crew was bringing it in, it submerged and resurfaced again. I saw an S-shaped pectoral fin on a dark gray slender body with a large dorsal fin at about mid body. It submerged again then the line went dead and the crew brought in an empty hook. Closest to vessel at 5m. Hook on ~~line~~ ^{line} was 3.6mm offset ~~line~~.

Injuries Description:

~~mouth~~ ~~hook~~ ^{mouth} and escaped with ^{hook and line} ~~hook and line~~ returned empty.

Identifying Characteristics:

Large, pointed, falcated dorsal fin. Slender, dark gray 3-4m body. S-shaped pectoral fins with dorsal fin at mid-body location. Tapered, blunt snout.

Observer ID

DOC/NOAA Fisheries
Pacific Islands Region

Longline Observer Program

Marine Mammal Biological Data Form

Trip No.

Sel No.

04

Species Code

PC

- PC False Killer Whale
- GG Risso's Dolphin
- GM Short-finned Pilot Whale
- TT Bottlenose Dolphin
- UW Unidentified Whale
- UD Unidentified Dolphin

Capture

TEST
VERSION

Date/Time: Day 16, Month SEP, Year 2007, Hour 08, Minute 09

Latitude: Deg. 15, Decimal Min. 55.7, N/S N

Longitude: Deg. 160, Decimal Min. 50.6, EW W

Tags Present: Y N U

Landed?

Associated Log Forms

- Photo?
- Specimen?
- Sketch?
- Tag?
- Comment?

Catch Form Page No.

2

Catch Form Line No.

1

Hooking/Entanglement

Hook Type

03

- 01 Tuna
- 02 J-Hook
- 03 Offset Tuna
- 04 Offset J-hook
- 05 Circle
- 06 Other
- 07 Offset Circle

Hooked: Y N U

Entangled: Y N U

Location (check all that apply) Location (check all that apply)

- Mouth
- Head
- Body
- Pectoral Fin
- Dorsal Fin
- Fluke
- Unknown

Release Condition

05

- 03 Injured
- 04 Died
- 08 Unknown

Gear

Gear Attached After Release

- None
- Hook
- Branchline
- # of Branchlines
- Length
- Mainline
- Length
- Floalline
- # of Floallines
- Other

F = feet
M = meter
BL = Body Length

F = feet
M = meter
BL = Body Length

Measurements

Total Length

cm

Approximate Length

03

F = feet
M = meter

Capture Behavior

- Struggling?
- Calm?
- Vocalizing?

DOC/NOAA Fisheries
 Pacific Islands Region
 Longline Observer Program

Observer ID

Trip No. _____ Page No. 01
 Catch Form Page No. 02
 Catch Form Line No. 07

From front of this form

Marine Mammal Biological Data Form Comments

Comments:

During haul, about 20m. from vessel, I saw a large, pointed, dark
 falcated dorsal fin on a 3-4 m. slender whale hooked on two
 towlines and I advised the crew to bring it alongside to
 get a specimen. Tried to get a photo. While the crew was bringing it
 in, it submerged and resurfaced again. I saw an S-shaped pectoral
 fin on a dark gray slender body with a large dorsal fin about mid body.
 It submerged again then the line went dead and the crew brought in an empty
 hook. Closest towline at 5 PM.

Injuries Description: ^{hang} hooked in mouth and escaped without any line or hook attached

Identifying Characteristics:

Lg. Pointed, falcated dorsal fin at mid body. ^{3rd fin} S-shaped pectoral fins. Tapered ^{3rd fin} ~~in~~ ^{dark gray body}

Example 7: Entanglement. New form version (MM 08.04). It has an good description of this interaction. The second form is a drawing showing the entanglement in detail.

Observer ID

DOC/NOAA Fisheries
Pacific Islands Region
Longline Observer Program

Marine Mammal Biological Data Form

Trip No.

1

Set No.

09

Capture

Date/Time Day Month Year Hour Minute
18 08 2009 05 29

Latitude Deg. Decimal Min. N/S
18 07.32

Longitude Deg. Decimal Min. EW
150 00.10 W

Landed?

Species Code

PK

- PC False Killer Whale
- GG Risso's Dolphin
- GM Short-Finned Pilot Whale
- TT Bottlenose Dolphin
- UW Unidentified Whale
- UB Unidentified Dolphin

Release Condition

03

- 03 Injured
- 04 Dead
- 07 Unknown

Tags Present?

Y = Yes
N = No
U = Unknown

Associated Form Code

CL

Associated Form Page No.

01

Associated Form Line No.

08

Photo?

Specimen?

Sketch?

Hooking/Entanglement

Hook Type 01 Tuna 02 J-Hook 03 Offset Tuna 04 Offset J-Hook 05 Circle 06 Other 07 Offset Circle
Hook Size 5

Hooked? Y N Entangled? Y N

Location (check all that apply) Location (check all that apply)

- | | | | | |
|-------------------|-------------------------------------|----|-------------------|-------------------------------------|
| Mouth | <input type="checkbox"/> | MO | Mouth | <input type="checkbox"/> |
| Head | <input type="checkbox"/> | HD | Head | <input type="checkbox"/> |
| Body | <input type="checkbox"/> | BO | Body | <input type="checkbox"/> |
| Pectoral Fin | <input type="checkbox"/> | PF | Pectoral Fin | <input type="checkbox"/> |
| Dorsal Fin | <input type="checkbox"/> | DF | Dorsal Fin | <input type="checkbox"/> |
| Fluke | <input checked="" type="checkbox"/> | FK | Fluke | <input checked="" type="checkbox"/> |
| Internal/Ingested | <input type="checkbox"/> | IN | Internal/Ingested | <input type="checkbox"/> |
| Unknown | <input type="checkbox"/> | UK | Unknown | <input type="checkbox"/> |
| Other | <input type="checkbox"/> | OT | Other | <input type="checkbox"/> |
- (describe on back) (describe on back)

Gear

Gear Attached After Release

- Code NO None
 - HK Hook
 - WL Wire leader
 - WT Weight
 - BL Branch line
 - FL Float line
 - FT Floats
 - ML Main line
 - OT Other
- If provide length.
If provide size & numbers.
If provide numbers & lengths.
If provide numbers.
If provide length.
If provide description.

Provide requested details about anything above on reverse side under Gear Comments.

Measurements

Total Length cm

OR
Approximate Length

F = feet
M = meters

Capture Behavior

- Struggling? Code SR
- Calm? Code CA
- Vocalizing? Code VO

Marine Mammal Biological Data Form Comments

Comments:

Whale was too strong to hold on to. It was hard to get to the surface. So we had to pull it up as much as we could and cut the line as short as we could. The encounter lasted 20 minutes and the crew made 4 or 5 attempts to pull the animal closer to the vessel. All gear was on the tail stack / flukes of the animal and it was pulled in backwards toward the vessel. 0.7m

Gear Comments: (Please describe in detail anything on front, how/where remaining gear was attached upon release)

The remaining gear was ~~on the~~ hook was caught on the wire leader around the base of the tail and the whale was also hooked by a branching ~~hook~~ hooks, two wire leaders 0.7m in length ~~by~~ 7-4 ~~sets of~~ branching, and two weights (45g) remained on release. The second branching was wrapped twice around the tail stack with the hook lightly imbedded in the fluke. 0.0m

Injuries Description: (Where exactly is hook? Where/how are lines constricting? Additional injuries sustained during handling/release? Bleeding?)

No blood but possible bruises. The tangle got tighter when ever ~~the~~ other end was pulled. Didn't get a good look at gear when the animal was released to determine injuries. 0.0m

Identifying Characteristics:

Blunt snout. It had no beak. Back colored and pectorial fins were "S" shaped. Narrow upright dorsal fin. Didn't see any white on the face / lip area. 0.0m

Obs. ...

Date/Time Day 18 Month 11 Year 2009

DOC/NOAA Fisheries
Pacific Islands Region
Longline Observer Program

Trip No. 1

Assn. Form Code CLE
Page No. 01
Line No. 08

Sketch Caption/Short Description:

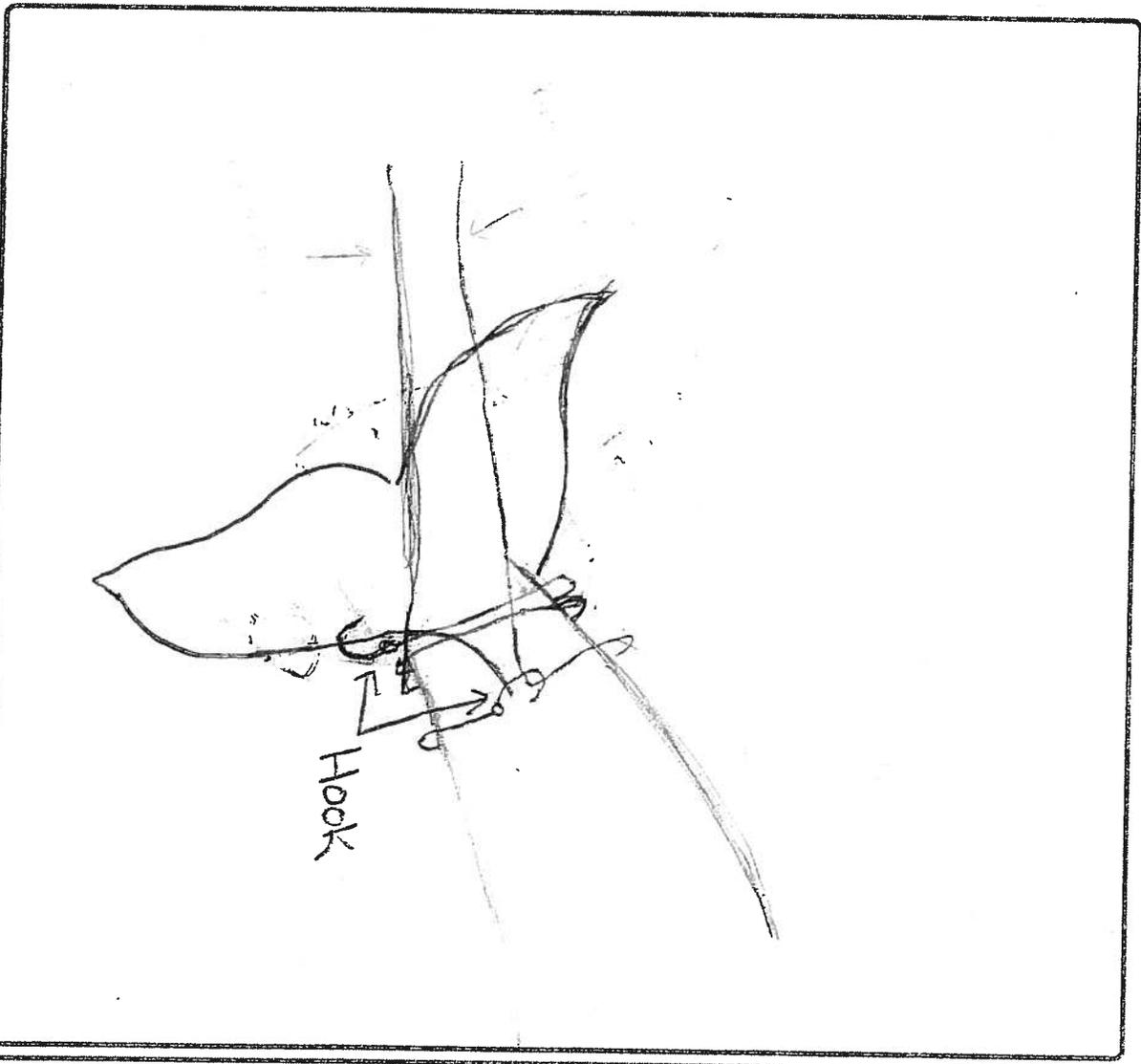
Sketch

Hook position & tangle on
false killer whales

Long Description:

See Marine Mammal
Biological Data sheet

[Lined area for long description text]



Example 8: Hooking. Same as previous form version (MM 08.04).It has a good description of the interaction. The second form is a sketch that shows the hooking area in detail.

Observer ID 1

DOC/NOAA Fisheries
Pacific Islands Region
Longline Observer Program

Marine Mammal Biological Data Form

Trip No. 17

Set No. 06

Capture

Date/Time Day Month Year Hour Minute
04 5 0 0 9 0 9 0 8

Latitude Deg. Decimal Min. N/S
03 20 2 N

Longitude Deg. Decimal Min. EW
158 39 4 W

Species Code PC

- PC False Killer Whale
- GG Risso's Dolphin
- GM Short-Finned Pilot Whale
- TT Bottlenose Dolphin
- LW Unidentified Whale
- UD Unidentified Dolphin

Associated Form Code CL

Associated Form Page No. 01

Associated Form Line No. 06

Landed?

Tags Present? U

Y = Yes
N = No
U = Unknown

Release Condition 03

03 Injured
04 Dead
07 Unknown

Photo?
Specimen?
Sketch?

Hooking/Entanglement

Hook Type 07 Hook Size 18
01 Tuna 05 Circle
02 J-Hook 06 Other
03 Offset Tuna 07 Offset Circle
04 Offset J-hook

Hooked?

Entangled?

Location (check all that apply) Location (check all that apply)

- | | | |
|--|---------|--|
| Mouth <input checked="" type="checkbox"/> | Code MO | Mouth <input type="checkbox"/> |
| Head <input type="checkbox"/> | Code HD | Head <input type="checkbox"/> |
| Body <input type="checkbox"/> | Code BO | Body <input type="checkbox"/> |
| Pectoral Fin <input type="checkbox"/> | Code PF | Pectoral Fin <input type="checkbox"/> |
| Dorsal Fin <input type="checkbox"/> | Code DF | Dorsal Fin <input type="checkbox"/> |
| Fluke <input type="checkbox"/> | Code FK | Fluke <input type="checkbox"/> |
| Internal/Ingested <input type="checkbox"/> | Code IN | Internal/Ingested <input type="checkbox"/> |
| Unknown <input type="checkbox"/> | Code UK | Unknown <input type="checkbox"/> |
| Other <input type="checkbox"/> | Code OT | Other <input type="checkbox"/> |

Gear

Gear Attached After Release

- | | |
|---------|---|
| Code NO | None <input type="checkbox"/> |
| Code HK | Hook <input checked="" type="checkbox"/> |
| Code WL | Wire leader <input type="checkbox"/> |
| Code WT | Weight <input checked="" type="checkbox"/> |
| Code BL | Branch line <input checked="" type="checkbox"/> |
| Code FO | Float line <input type="checkbox"/> |
| Code FT | Floats <input type="checkbox"/> |
| Code ML | Main line <input type="checkbox"/> |
| Code OT | Other <input checked="" type="checkbox"/> |

Provide requested details about anything ✓'d above on reverse side under Gear Comments.

Measurements

Total Length cm
OR
Approximate Length 09
F = feet M = meters

Capture Behavior

Struggling? Code SR
Calm? Code CA
Vocalizing? Code VO

Observer ID

DOC/NOAA Fisheries
Pacific Islands Region
Longline Observer Program

Trip No.

Set No. **06**

Marine Mammal Biological Data Form Comments

Comments: The animal jumped near the boat. I saw the leader coming from its mouth. This was before the line got taut. I grabbed my pole and career. The line became taut. They (crew) attached line to the rope used for live by fish. They pulled. The animal jumped several more times. I could see the metal of the hook shine off the right side of its mouth. The crew would pull it closer. Then the animal would pull the line back into the water. I attempted to get photos ready. I take specimens. When the animal pulled the snap through the creel boards twice the net came in with 100 lbs could off the branch line. The animal dove and wasn't seen again. No specimen available - Safety.

Gear Comments: (Please describe in detail anything 'd on front, & how/where remaining gear was attached upon release)

WT - Single - 80g. BL - single ~ approx. 6m ~ 3.5 meters retained on boat OT ~ single monofilament leader ~ approx ~ 9.3m (average of 9 preserved leader lengths). The animal was hooked in the mouth ALSO - OT - single ~ 6" (green) lightstick on mono - leader.

Injuries Description: (Where exactly is hook? Where/how are lines constricting? Additional injuries sustained during handling/release? Bleeding?)
Hooked in right side of mouth about mid way. No constricting lines, no additional injuries or bleeding seen.

Identifying Characteristics: Dark body (unif. color), falcate dorsal fin Not too broad at base, tapered head, forward 'hump' on pectoral fin, straight rostrum line
(Lack of white underbelly, lack of white lips)

Observer ID

Date/Time Day 04 Month JUN Year 2009

UUC/NOAA Fisheries Pacific Islands Region Longline Observer Program

Trip No.

Assn. Form Code

Page No.

Line No.

CL

01

06

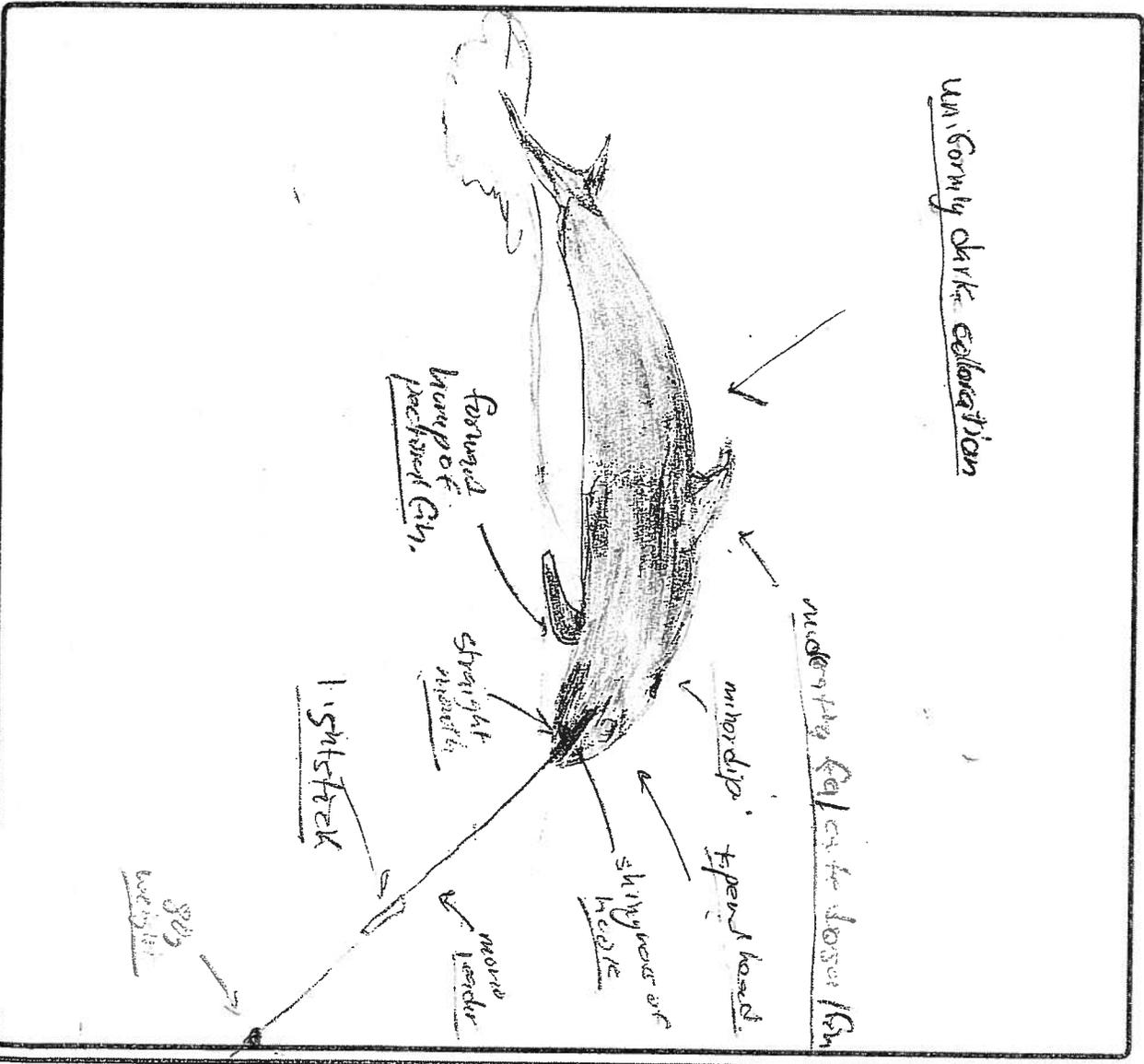
Sketch

Sketch Caption/Short Description:

Falso Killer whale

Long Description:

See captions and answers at right



Example 9: Hooking and Entanglement. same as previous form version (MM08.04) It has a good description of the interaction. This is a Shallow Set interaction.

Observer ID

DOC/NOAA Fisheries
Pacific Islands Region
Longline Observer Program

Marine Mammal Biological Data Form

Trip No.

Set No.

01

Capture

Date/Time Day 12 Month 11 Year 2008 Hour 12 Minute 28

Latitude Deg. 23 Dec. 07.8 N/S

Longitude Deg. 154 Dec. 54.2 W/EW

Landed?

Species Code

PC

- PC False Killer Whale
- GG Risso's Dolphin
- GM Short-Finned Pilot Whale
- TT Bottlenose Dolphin
- UW Unidentified Whale
- UD Unidentified Dolphin

Tags Present?

Y= Yes
N= No
U= Unknown

Release Condition

03

- 03 Injured
- 04 Dead
- 07 Unknown

Associated Form Code

02

Associated Form Page No.

02

Associated Form Line No.

01

Photo?

Specimen?
Sketch?

Hooking/Entanglement

Hook Type 07
01 Tuna
02 J-hook
03 Offset Tuna
04 Offset J-hook
05 Circle
06 Other
07 Offset Circle

Hook Size 18

Hooked? Y N

Entangled? Y N

Location (check all that apply) Location (check all that apply)

- Mouth MO Mouth
- Head HD Head
- Body BO Body
- Pectoral Fin PF Pectoral Fin
- Dorsal Fin DF Dorsal Fin
- Fluke FK Fluke
- Internal/Ingested IN Internal/Ingested
- Unknown UK Unknown
- Other OT Other

Gear

Gear Attached After Release

- Code NO None
- HK Hook
- WL Wire leader If ✓'d, provide length.
- WT Weight If ✓'d, provide size & numbers.
- BL Branch line If ✓'d, provide numbers & lengths.
- FO Float line If ✓'d, provide numbers & lengths.
- FT Floats If ✓'d, provide numbers.
- ML Main line If ✓'d, provide length.
- OT Other If ✓'d, provide description.

Provide requested details about anything ✓'d above on reverse side under Gear Comments.

Measurements

Total Length cm

OR

Approximate Length 07

F= feet
M= meters

Capture Behavior

- Struggling? SR
- Calm? CA
- Vocalizing? VO

Marine Mammal Biological Data Form Comments

Comments: OBSERVER WAS GETTING FRESH WATER WHEN CREW SHOUTED "DUGGAN APPROX." CASEWORKER HAD CAPT. SPOOK VESSEL AND THAT THE CREW HAD THE LINE TO FOLLOW VIDEO AND DETERMINE EXTENT ON HOOKING AND/OR ENTANGLEMENT. OBSERVER WAS UNABLE TO GO TO SAMPLES CORE, SO CONTINUED VIDEOTAPING, DIRECTING CREW TO GET LINE OUTTER AS HOOK WAS EMBEDDED IN TAIL FLUKE, ANIMAL WAS PULLED IN CLOSE AND LINE OUTTER USED TO GET LINE AWAY WITH LITTLE OR NO BLEEDING APPARENT AND NO DISTRESS STRUGGLING (VERY STRONG) HOWEVER IT SWAM AWAY WITH LINE OR NO BLEEDING APPARENT AND NO DISTRESS IN SWIMMING. CAPT. AND CREW WERE VERY PATIENT AND HELPFUL.

Gear Comments: (Please describe in detail anything 'd' on front, & how/where remaining gear was attached upon release)

A SMALL AMOUNT - MAYBE 6" TO 1 FT WRAPPED AROUND BASE OF TAIL WITH HOOK ATTACHED TO FLUKE. AFTER LINE CUT, WRAPPED PORTION WAS REMOVED, SO A SMALL AMOUNT OF LINE APPARENT 6" WAS TRAILING FROM THE EMBEDDED HOOK.

Injuries Description: (Where exactly is hook? Where/how are lines constricting? Additional injuries sustained during handling/release? Bleeding?

HOOK APPEARED TO BE EMBEDDED IN TAIL FLUKE WITH 1 WRAP OF 2.1 MONO LINE AROUND BASE OF TAIL. A SMALL AMOUNT OF BLEEDING ON THE FLUKE.

Identifying Characteristics: VIDEO TAKEN TO ASSURE POSITIVE I.D. BLACK BODY COLOR, DORSAL FIN MID BODY, BLUNT SNOUT, HUMP ON LEADING EDGE OF PECTORAL FLIPPER.