

Trip #

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Set Details

Haul #

OTC WM

8	11	6
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Gear Type

Target Strategy

Seabird Avoidance?

Y	N
---	---

EFP?

Y	N
---	---

Gear Perf

1	5	7	8
---	---	---	---

Average Soak Time

< 1m 1-5m 5-15m 15-30m
30-45m 45-60m 1-2h 2-6h
6-12h 12-24h 24-36h 36+h

Beaufort

	Date	Time	Latitude		Longitude		Average Depth (fm)
			Degrees	Minutes	Degrees	Minutes	
Start							
End							
Additional Locations							

OTC Weight Method: 11 - Retained + Discard 8 - Extrapolation 6 - Other

Gear Type: 7 - Vertical Hook and Line 8 - Pole (Commercial) 9 - Other Hook and Line 10 - Fish Pot 15 - All Troll Gear 16 - All Other Miscellaneous Gear 19 - Longline (Fixed Hooks) 20 - Longline (Snap-on Hooks)

Seabird Avoidance: Yes or No for Gear Type 7, 9, 19, 20 only. If used, complete Hook and Line Gear Characterization form

Gear Perf: 1 - No Problem 5 - Net, Pot(s) or Other Gear Lost 7 - Other 8 - Retrieved Gear

Notes and Additional Sampling

Drop #		Start Time		Gear Config	
		End Time			

Hook	Species	Discard Reason
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		

Drop #		Start Time		Gear Config	
		End Time			

Hook	Species	Discard Reason
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		

Drop #		Start Time		Gear Config	
		End Time			

Hook	Species	Discard Reason
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
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20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		

HOOK AND LINE FLEET CHARACTERIZATION (HLFC) FORM

Observer Name _____

Trip Number _____

*Required for ALL trips, in which longline gear is used (Gear Types 19 and 20).
Additional form required any time changes are made that affect one or more fields.*

How is the product delivered? (Check all that apply)

- Whole Head and Guttled Other (Comment)

Do the following characteristics apply to ALL hauls? Yes No*

*If No, record the associated haul number(s): _____

The vessel sets gear at an average speed of _____ knots

The vessel deployed an average number of _____ hooks per skate (Leave blank if snap gear)

Are floats used? (not including anchor buoys) Yes No

If yes, indicate: What is the average number of floats per skate? _____

Are weights used? (not including anchor weights) Yes No

If yes, indicate: mass per weight _____ lbs. & average number of weights per skate _____

Does the vessel use seabird avoidance gear/measures while setting? Yes No

If yes, select ALL avoidance types used:

- | | | | |
|--|---|---|---|
| <input type="checkbox"/> One Buoy Line
(aka Bird Bag) | <input type="checkbox"/> One Streamer Line | <input type="checkbox"/> Integrated Weight Line | <input type="checkbox"/> Strategic Offal Disposal |
| <input type="checkbox"/> Two Buoy Lines
(aka Bird Bags) | <input type="checkbox"/> Two Streamer Lines | <input type="checkbox"/> Added Line Weight
(To sink gear faster) | <input type="checkbox"/> Other (Comment) |

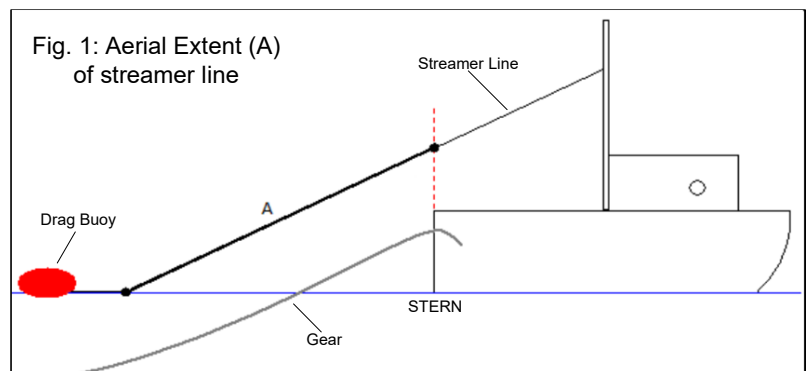
If streamer line(s) used, what is the average aerial extent (See Fig. 1)?

Fixed hooks: < 40 m ≥ 40 m

Snap-gear: < 20 m ≥ 20 m

If snap gear, what is the average horizontal distance of the streamer line to the point where the gear enters the water?

≤ 2 m > 2 m



NOTE: Individual streamers are generally spaced at 5 m increments. When in doubt, measure spacing to verify. Regulations require spacing of ≤ 5 m.

Comments:

TRAWL BYCATCH REDUCTION DEVICE (BRD) CHARACTERIZATION FORM



Observer Name _____

Trip Number _____

Discuss trawl gear configuration with the skipper and confirm once the first haul comes on board. Complete form during any trawl trip, in which 1 or more Bycatch Reduction Devices are used. Additional form is required any time changes are made to the BRD that affect 1 or more fields.

Was the following BRD configuration used on **ALL** hauls? Yes No*

*If not used on all hauls, record the associated haul number(s): _____

BRD Type (Check/Complete ALL that apply)

Lights

BRD Target(s) _____

Number of Lights: Single-rigged _____ Double-rigged: Port Net _____ Starboard Net _____

Light Color(s): Green Blue Purple Red Other (Comment)

Light Manufacturer: Lindgren-Pitman Wesmar Deep Drop Other (Comment)

Location: Headrope Footrope Net Intermediate Other (Comment)

Escapement Holes/Windows (Usually Midwater Gear. Does not include vents aka "Blow-out Panels" **OR** Sorting Gate/Grid escapements)

BRD Target(s) _____

Location: Net Intermediate Other (Comment)

Opening Illuminated? Yes No

Sorting Gate/Grid (Includes pink shrimp grates)

BRD Target(s) _____

Location: Net Intermediate Other (Comment)

Opening Illuminated? Yes No

Modified Codend Mesh (Other than standard diamond)

BRD Target(s) _____

Type: Square Mesh T90 (Rotated diamond)

>7 Inch Mesh Other (Comment)
(CA halibut fishery)

Other BRD Type(s) (e.g., net camera(s)) Comment)

BRD Target(s) _____

Location: Headrope Footrope

Net Intermediate Codend

Trawl Doors Other (Comment)

COMMENTS: Use this area to explain and/or diagram any information not captured on form, pertaining to BRD use.

BRD Target Codes (i.e., What are they trying not to catch?) (select all that apply)

A: Salmon **C:** PHLB **E:** Flatfishes **G:** Hake

B: Eulachon **D:** Rockfish **F:** Other (comment) **H:** All non-target spp.

IFQ Priority Species Tracking Form

Observer Name:		Vessel Name:	
Departure Date:		Return Date:	
		Vessel ID #:	
Date Offload Began:		Fish Ticket #:	
		WCGOP Trip #:	

Directions: Place this form in the wheelhouse and document the weight and number of retained Yelloweye rockfish for each haul. Document discrepancies between the vessel's weights and the observer's weights in the "Notes" section. Prior to disembarking, sum the weights and numbers and document this in the row labeled "Total", then sign and date the form.

Haul #(s)	Yelloweye rockfish		Notes (Discrepancies, issues, etc.)
	Weight	#	
Total			

The observer will keep the WHITE copy. The YELLOW copy will be placed in a sealed envelope and left in the wheelhouse for the catch monitor. Vessels will receive the PINK copy of the form.

For more information, including what to do if the vessel and observer disagree on estimates, review the "IFQ Priority Species Tracking Form" outreach material.

Observer's Signature:		Date:	
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MARINE MAMMAL/SEABIRD/SEA TURTLE INTERACTION AND SIGHTING FORM

Trip Number

USCG #

Species _____
Common Name

Haul # All Hauls
(if applicable) Multiple Hauls
(List additional hauls in "Notes")

Latitude ° ' N

Longitude 1 ° ' W

Date/Time ____/____/____

Beaufort Scale
(See back of form)

▲ *When using form for multiple individuals from multiple hauls, complete above information for the first individual(s) encountered* ▲
▼ *ALL information below must apply to ALL individuals/hauls. Separate form(s) required for distinct sightings/interactions and banded individuals* ▼

Were all Individuals Inside Your Sample?
(Required for TAKES only) YES (Random Sample) No (Opportunistic)

Identification Confidence Sure Likely Unsure

Body Length <3 m (<10') 3-8 m (10-25') 8-16 m (25-50')
 16-26 m (50-80') >26 m (>80')

Sighting Condition Excellent Good
 Fair Poor

Closest Approach
 meters

Number Sighted (Best)

Number (Min)

Number (Max)

Notes & Identifying Characteristics

Marine Mammals: Describe Body Features, Markings, Coloration, and associated Organisms. Record any tags/bands/brands in table below.

Seabirds: Describe Plumage Coloration, Size (Body and Beak), Bill and Foot Color. Record any tags/bands/brands in table below.

Note: Please describe *all* seabird hookings (e.g., thru bill vs. thru wing vs thru body).

General: Never include personally/business identifiable information (e.g., vessel name, crew name).

Complete table for any bands, tags or brands. If possible, retrieve bands & tags. Enter ID# into Specimens w/ notes on other details.

Bands/Tags/Brands	Location	Material	Color(s)	ID #

Interaction Codes

<input type="checkbox"/> Sighting Only <input type="checkbox"/> Feeding on Catch (not yet landed on vessel) <input type="checkbox"/> Feeding on Discarded Catch <input type="checkbox"/> Feeding on Offal <input type="checkbox"/> Feeding on Bait <input type="checkbox"/> Attached to Hook <input type="checkbox"/> Floating Free <input type="checkbox"/> Boarded Vessel (own volition; not captured)	Species of Interest*
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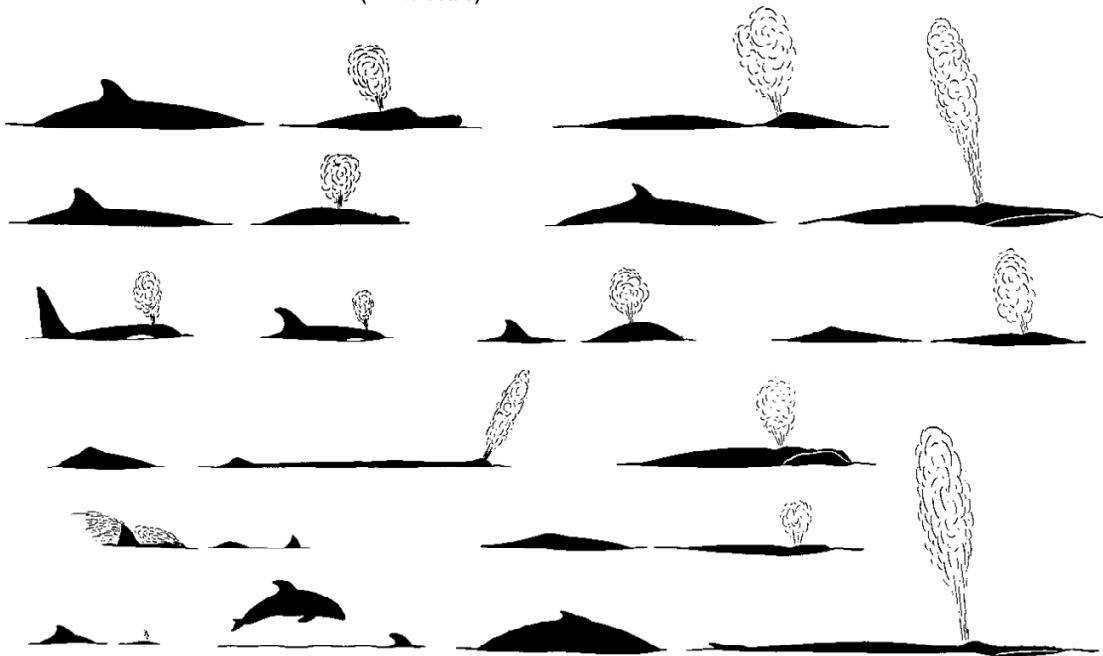
<input type="checkbox"/> Previously Dead Deterrence Used (not incl. "Seabird Avoidance Gear") <input type="checkbox"/> Seal Bomb <input type="checkbox"/> Firearm <input type="checkbox"/> Gaff <input type="checkbox"/> Yelling <input type="checkbox"/> Acoustic device <input type="checkbox"/> Other (describe in "Notes" section) <input type="checkbox"/> Vessel Strike <input type="checkbox"/> Entangled in Gear - Not Trailing Gear (non-lethal) <input type="checkbox"/> Entangled in Gear - Trailing Gear (non-lethal) <input type="checkbox"/> Lethal Removal <input type="checkbox"/> Killed by Gear <input type="checkbox"/> Other (describe in "Notes" section)	ALL Species
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Interaction Outcome

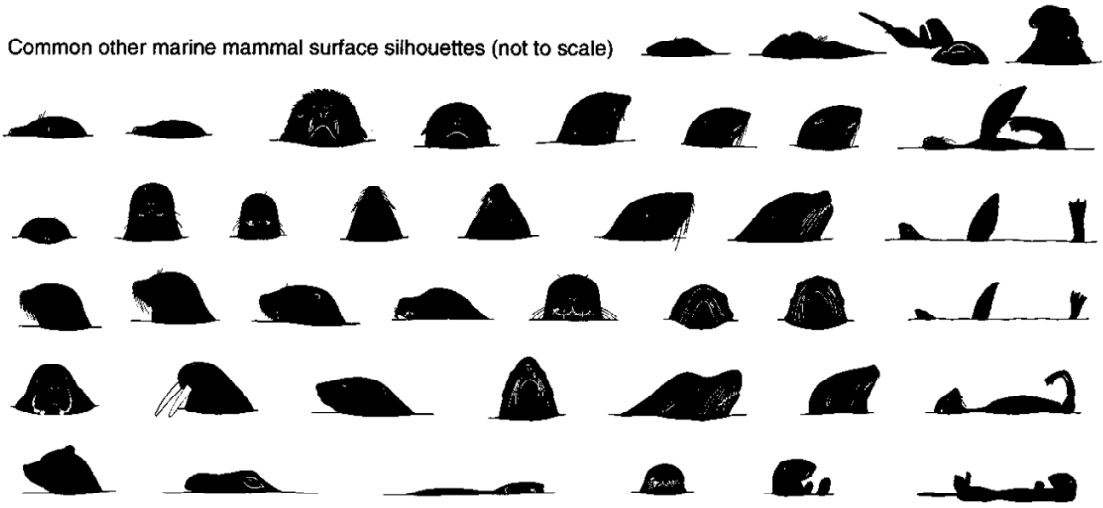
<input type="checkbox"/> Alive - No visible signs of injury <input type="checkbox"/> Alive - Visible signs of injury <input type="checkbox"/> Dead/Unresponsive Carcass <input type="checkbox"/> Not Applicable ("Sighting only" or "Previously Dead") <input type="checkbox"/> Unknown

(Behaviors listed on back)

Common cetacea surface silhouettes (not to scale)



Common other marine mammal surface silhouettes (not to scale)



Silhouettes of most genera of marine mammals known to occur in and around North America. Subtleties exist between closely related genera. Care should be taken in identifying species. Assessing one's level of confidence with copious notes and observations is more valuable than a brief misidentification.

Behaviors

Large Cetaceans

- Blow visible for a distance
- Breaching
- Flipper Slapping
- Group Feeding
- Lob-tailing
- Spy-hopping
- Tail raised on dive
- Side wake riding
- Stern wake riding

Small Cetaceans

- Bow riding
- Leaping entirely out of water
- Porpoising
- Rooster-tailing
- Slow rolling

Pinnipeds

- Jug handle
- Porpoising
- Rafting
- Spooked from haulout
- Vocalizing

Sea Turtles

- Swimming
- Diving
- Floating/Basking
- Foraging
- Breathing

Photos/Videos

- Photo(s) taken
- Video(s) taken

Media files/folders should be named as follows:

- Barcoded Specimen taken: BC + Barcode# (Ex: BC100334767)
- Tagged by Observer: TAG + Tag# (Ex: TAG887)
- All Others: Sector + Trip# + Haul# (if applicable) (Ex: CS65667H5, EFP45167H1)

NEVER email photos of protected species!

***Species of Interest:**

Marine Mammals: ALL spp., except for CA sea lions

Sea Turtles: ALL spp.

Seabirds: ESA-listed spp. (*Short-tailed Albatross*, *Marbled Murrelet*, *CA Least Tern*), Pink-footed Shearwater, and any other rare species or species outside of normal range.

Beaufort	Sea Condition	Wave Height	Wind (knots)
0	glassy, calm	0 in. (flat)	<1 calm
1	light ripples	3 in.	1 - 3 light air
2	small wavelets	6 in.	4 - 6 light breeze
3	scattered whitecaps	2 ft.	7 - 10 gentle breeze
4	small waves, frequent whitecaps	4 ft.	11 - 16 moderate wind
5	moderate waves, many whitecaps	6 ft.	17 - 21 fresh wind
6	all whitecaps, some spray	10 ft.	22 - 27 strong wind
7	breaking waves, spindrift	14 ft.	28 - 33 near gale
8	medium waves, foamy streaks	18 ft.	34 - 40 gale
9	high waves, dense foamy streaks	22 ft.	41 - 47 strong gale
99	did not collect at set		

Attach Images here: Click box and select photo. Acrobat Required.

Commercial Sablefish Specimen Data

WCGOP collected Specimen Data

Sheet # _____ of _____

Shaded fields should be completed by the Port Sampler

Vessel Name _____

Gear: Trawl Pot Line Other _____

Sample # (State) _____

USCG #

Departure Date _____

Sample # (NMFS) _____

Depth (fm) Max Min

Landing Port _____

INPFC: VAN COL Other _____

Fish Ticket #

Landing Date _____
Landing Weight of Whole fish (lbs)

Landing Weight of Processed fish (lbs)

Haul # State Area Code:

Haul # State Area Code:

Haul # State Area Code:

Sex Length (cm) Weight (lbs) 6-digit barcode

Sex Length (cm) Weight (lbs) 6-digit barcode

Sex Length (cm) Weight (lbs) 6-digit barcode

1 _____

1 _____

1 _____

2 _____

2 _____

2 _____

3 _____

3 _____

3 _____

4 _____

4 _____

4 _____

5 _____

5 _____

5 _____

Haul # State Area Code:

Haul # State Area Code:

Haul # State Area Code:

Sex Length (cm) Weight (lbs) 6-digit barcode

Sex Length (cm) Weight (lbs) 6-digit barcode

Sex Length (cm) Weight (lbs) 6-digit barcode

1 _____

1 _____

1 _____

2 _____

2 _____

2 _____

3 _____

3 _____

3 _____

4 _____

4 _____

4 _____

5 _____

5 _____

5 _____

Haul # State Area Code:

Haul # State Area Code:

Haul # State Area Code:

Sex Length (cm) Weight (lbs) 6-digit barcode

Sex Length (cm) Weight (lbs) 6-digit barcode

Sex Length (cm) Weight (lbs) 6-digit barcode

1 _____

1 _____

1 _____

2 _____

2 _____

2 _____

3 _____

3 _____

3 _____

4 _____

4 _____

4 _____

5 _____

5 _____

5 _____

Haul # State Area Code:

Haul # State Area Code:

Haul # State Area Code:

#	Sex	Length (cm)	Weight (lbs)	6-digit barcode
1	_____	_____	_____	_____
2	_____	_____	_____	_____
3	_____	_____	_____	_____
4	_____	_____	_____	_____
5	_____	_____	_____	_____

#	Sex	Length (cm)	Weight (lbs)	6-digit barcode
1	_____	_____	_____	_____
2	_____	_____	_____	_____
3	_____	_____	_____	_____
4	_____	_____	_____	_____
5	_____	_____	_____	_____

#	Sex	Length (cm)	Weight (lbs)	6-digit barcode
1	_____	_____	_____	_____
2	_____	_____	_____	_____
3	_____	_____	_____	_____
4	_____	_____	_____	_____
5	_____	_____	_____	_____

Haul # State Area Code:

Haul # State Area Code:

Haul # State Area Code:

#	Sex	Length (cm)	Weight (lbs)	6-digit barcode
1	_____	_____	_____	_____
2	_____	_____	_____	_____
3	_____	_____	_____	_____
4	_____	_____	_____	_____
5	_____	_____	_____	_____

#	Sex	Length (cm)	Weight (lbs)	6-digit barcode
1	_____	_____	_____	_____
2	_____	_____	_____	_____
3	_____	_____	_____	_____
4	_____	_____	_____	_____
5	_____	_____	_____	_____

#	Sex	Length (cm)	Weight (lbs)	6-digit barcode
1	_____	_____	_____	_____
2	_____	_____	_____	_____
3	_____	_____	_____	_____
4	_____	_____	_____	_____
5	_____	_____	_____	_____

Haul # State Area Code:

Haul # State Area Code:

Haul # State Area Code:

#	Sex	Length (cm)	Weight (lbs)	6-digit barcode
1	_____	_____	_____	_____
2	_____	_____	_____	_____
3	_____	_____	_____	_____
4	_____	_____	_____	_____
5	_____	_____	_____	_____

#	Sex	Length (cm)	Weight (lbs)	6-digit barcode
1	_____	_____	_____	_____
2	_____	_____	_____	_____
3	_____	_____	_____	_____
4	_____	_____	_____	_____
5	_____	_____	_____	_____

#	Sex	Length (cm)	Weight (lbs)	6-digit barcode
1	_____	_____	_____	_____
2	_____	_____	_____	_____
3	_____	_____	_____	_____
4	_____	_____	_____	_____
5	_____	_____	_____	_____

TAGGED FISH FORM

Trip #: _____ Vessel ID: _____ Observer Name: _____

Vessel Name: _____ Base Permit No: _____

Gear Type: _____

Captain (or reward recipient's name): _____

Address: _____

Species: _____

Tag Prefix (often a two letter code and serial #): _____

Tagging Agency (circle): Seattle Auke Bay Nanaimo Shimizu IPHC Other _____

Date and Time of Capture: ____/____/____ Capture Depth (ftm): _____

Capture Location (Lat and Long): ° N ° W

All tagged fish caught should be collected and sampled, prior to any processing.
If fish is **dead**, remove the external tag. Do not remove tag from LIVE fish, just record the tag number.
Collect weight, fork length, sex, gonad maturity and otoliths, if possible. Do not dissect LIVE fish.

Round Weight (lbs.): _____ Fork Length (cm): _____

Sex: _____ Maturity of Gonads (circle): Immature Mature Spawning

General Body Appearance (circle) Poor Condition Good Condition Other: _____

Condition of Tagging Wound (circle) Healed Open Other: _____

Other Comments: _____

Attach Tag and Otolith Vial (with tape):

Affix Tag Here

Affix Otolith Vial Here
(Discarded or Head & Gut only)

Otolith Barcode #

Trip #

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Haul Details

Haul # Visual OTC OTC WM 14 6

Target BRD Present? Y N EFP? Y N

Fit # Wt Cal Gear Type Gear Perf Beaufort

	Date	Time	Latitude		Longitude		Average Depth (fm)
			Degrees	Minutes	Degrees	Minutes	
Start							
Up							
Additional Locations							

OTC Weight Method: 14 - Visual Experience 6 - Other

Gear Type: 1 - Trawl Small Footrope 2 - Trawl Large Footrope 3 - Midwater Trawl 4 - Danish/Scottish Seine 5 - Other Trawl Gear 12 - Shrimp Trawl Single Rigged 13 - Shrimp Trawl Double Rigged 17 - OR Setback Flatfish Net
 Gear Perf: 1 - No Problem 2 - Pot in Haul 3 - Net Hung 4 - Net Ripped 5 - Net or Other Gear Lost 7 - Other 8 - Retrieved Gear

Vessel Retained Species Weights

Species										
Retained Weight										

Notes and Additional Biospecimen Data

Must record all necessary data complete additional OPTECS entry when using trawl Weight Methods:

- 8 Extrapolation – Total # of fish
- 15 Visual Spatial – Ratio
- 19 PHLB L/W Extrapolation – Total # of fish

TRAWL DECK FORM

Haul #

Date

Biolist 1 2 3

Catch Code	R or D	Weight Method	Species Name	Discard Reason	Weights & Counts						Bio- Method	Biospecimens / Comments

Trawl Weight Methods
5 - OTC - R 6 - Other 7 - Vessel est. 8 - Extrapolation 9 - PHLB L/W
14 - Visual Experience 15 - Visual Spatial 19 - PHLB L/W Extrapolation
20 - Actual Weight [Whole Haul] 21 - Actual Weight [Subsample]

Reasons for Discard
11 - Incidental/Accidental 12 - Drop off 13 - Market
14 - Other 15 - Predation 16 - Regulation 17 - Safety
18 - Market (Dockside) 19 - Utilized on board 20 - Survival

Bio-method
12 - Random Sample
13 - Opportunistic (non-random)
10 - PHLB Visual Length

TRIP INFORMATION

Trip #

USCG #

or State Reg #

Observer Name _____

Vessel Name _____

Fishery _____

Skipper's Name _____

of Crew _____ (including captain, not including observer)

Observer Logbook # _____

Permit/License #(s) _____

Departure Date/Time _____

Departure Port _____

No Fishing Activity

Intended Gear Type
(If no activity)

Partial Trip
(NCS only)

Total # of Fishing Days (KNOWN)

Fish Processed During Trip?

Vessel Logbook Name _____

Vessel Logbook Page # _____

Return Port _____

Return Date/Time _____

First Receiver _____
(CS only)

Fish Ticket #	WOC	Date
<input style="width: 100%; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 100%; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 100%; height: 20px; border: 1px solid black;" type="text"/>
<input style="width: 100%; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 100%; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 100%; height: 20px; border: 1px solid black;" type="text"/>

Fish Ticket #	WOC	Date
<input style="width: 100%; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 100%; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 100%; height: 20px; border: 1px solid black;" type="text"/>
<input style="width: 100%; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 100%; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 100%; height: 20px; border: 1px solid black;" type="text"/>

Trip Notes:

TRIP FORM - HAUL LOCATIONS

Gear Type Codes:	Haul/ Set #		Date		Time	Latitude		Longitude		Depth of Catch (fathoms)	Gear Type	Trawl BRD Present?	Target Strategy	
			Month	Day		Degrees	Minutes	Degrees	Minutes					
1 - Trawl Small Footrope (<8 inches) 2 - Trawl Large Footrope (>8 inches) 3 - Midwater Trawl 4 - Danish/Scottish Seine 5 - Other Trawl Gear 7 - Vertical Hook and Line 8 - Pole (Commercial) 9 - Other Hook and Line 10 - Fish Pot 12 - Shrimp Trawl Single Rigged 13 - Shrimp Trawl Double Rigged 14 - All Net Gear Except Trawl 15 - All Troll Gear 16 - All Other Miscellaneous Gear 17 - OR Setback Flatfish Net (Pineapple) 19 - Longline (Fixed Hooks) 20 - Longline (Snap-on Hooks)		Start					.		.					
		End					.		.					
		Start						.		.				
		End						.		.				
		Start						.		.				
		End						.		.				
		Start						.		.				
		End						.		.				
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		Start						.		.				
		End						.		.				
		Start						.		.				
		End						.		.				
		Start						.		.				
		End						.		.				