

HAWAII ENCOUNTER, TAGGING AND SAMPLE SHEET

RECORD ITEMS IN BOLD IMMEDIATELY

Record items in italics at end of encounter

Date: 07 JUL 2024 Start time 0739 Species FKW Sight. # 2 Cue SBF Effort On / Off
DD MMM YYYY (24 h clock) see below (circle)

Wpt # when first seen or Estimate 600M Wpt # 45 Obs. GF Obs. Pos. PUPIT Recorder HGTC Start Behav. TR Start DOT W
(circle Wpt or Est. note if with BINOS) (@group) (P/S/palpit/back) initials

Group Size: 16, 18, 24 # sub-groups 0 Group Envelope 4000M x 5000M % group obs. 100 # bow-riding 9
MIN BEST MAX (if >1 details in Notes) (e.g., 100 x 400 m) (close enough to observe neonates etc)

End Time 1057 End Wpt# 58 End Behav. TRAVEL End DOT N # w/CC wounds 3 # wounds/individual 1 % w/CC wounds 1 # vessels w/group 0
(types in Notes)

Reason for Leaving 7 CPA <1 Neonates 1 YOY: 1 # Adult ♂s 2 # photo-gram. 0 # IDs 18 Prey/fecal Samples 1 PREY
(see below) (# or unk.) (# or unk.) (type/# - details on effort log)

Sight# other research boat NA cetaceans present/Sight# : PW #3 Mixed group YES #/type sharks 0 #/type birds 20 WTSH #/type fish see notes
(# or NA) (use separate data sheet if other species) Yes/No/NA (circle Remoras)

Photographer initials	Video, camera or drone	Start - end frames	sub-group and end blanks (start at left)	GoPro (yes/no) (circle) type/position (list)
<u>BDG</u>	<u>D37</u>		<u>2870</u>	
<u>HLR</u>	<u>P1FSC</u>		<u>1055</u>	
<u>MAM</u>	<u>MAM</u>		<u>156</u>	
<u>RWB</u>	<u>RWB</u>		<u>296</u>	
<u>GF</u>	<u>GF</u>		<u>3484</u>	

Note camera used for PhotoGrammetry (PG) _____ Total # photos _____

PERMIT INFO: # reacting 0 avoidance distance (m) NA # approach <1 In-water Approach N Drone Use N Notes: 3 PREDATION
body length 9 yes/no yes/no

EVENTS, 1 SWORDFISH, 2 UNKNOWN (GO-PRO OF 1), SAMPLE OF 2ND PREDATION

AT END OF DAY (summarize from back of page or from Homeport)

# biopsy attempts	# hits	# samples	# target misses	# non-target reacting	# suction attempts	# suction tagged	# dart/finmount attempts	# dart/finmount tagged

# taken incidental	Boat	Sea Cond.	Start Lat/Long	End Lat/Long

Distance to shore (from GPS)	Closest Landmark (bearing & name, from GPS)	Closest Island	Start depth (from GPS)	Distance from 1 st seen (m Est. or GPS) (circle Est or GPS, note if BINOS)

Cue= SBF= Splash/Blow/Fin; FV=Fishing Vessel; AD=Acoustic Detection; Birds; Land; Radio call; Radio Tag; ORV=Other Research Vessel.
 Obs.=Observers. Behavior e.g., travel, fast travel, mill, social, feeding, rest. DOT =direction of travel. YOY = young of year. Reason for Leaving: 1. Group Lost; 2. Group Not Approachable; 3. Continuing Search, some samples/IDs; 4. All IDd; 5. Low priority; 6. Higher priority species seen; 7. Weather/time of day; 8. Other (include in notes). Cross out or write NA in all spaces not used. For "Notes" record group size changes; audio recording duration & CPA; predation events; other samples collected; types of vessels (rec. fishing, charter fishing, dolphin-watching); maximum speed (from GPS) if fast travel; description of un-id species; if >1 sub-group record distance between, min/best/max for each, # adult ♂s/neonates/YOY for each, & sub-group blanks for each (e.g., "Sub-A, 416, Sub-B, 602"); for Kogia slow rolling v. logging, direction pointing v. traveling, dive durations. For beaked whales, -# breaths/dive durations, time waited.

SAMPLING AND TAGGING INFORMATION

DD MMM year

Date: 07 / JUL / 2024 Boat: RHB Recorder: HGTC Sighting #: 2 Page: 2 of 3

Attempt #: 1 Tagger/sampler: MAM (circle & initials) Device: rifle / crossbow (circle) / pole / drone - hit / miss (circle) / NA - sample/tag: yes (circle) / no (circle)

Sample / Tag #: _____ Time: 0810 Target sex/age: AD Wpt #: _____

Lat: _____ Long: _____ Behavior: NONE Before/Response/After: _____

other reacting/present: 0, 0 Area/side hit: NA Cameras/frames: _____

Comments: _____

Attempt #: 2 Tagger/sampler: MAM (circle & initials) Device: rifle / crossbow (circle) / pole / drone - hit (circle) / miss / NA - sample/tag: yes (circle) / no (circle)

Sample / Tag #: .01 Time: 0820 Target sex/age: SUB A Wpt #: 49

Lat: _____ Long: _____ Behavior: APPROACH Before/Response/After: BOAT / FD / UNK

other reacting/present: 1, 1 Area/side hit: RS BF Cameras/frames: BDG-739

Comments: GO PRO OF BIOPSY

Attempt #: 3 Tagger/sampler: MAM (circle & initials) Device: rifle / crossbow (circle) / pole / drone - hit (circle) / miss / NA - sample/tag: yes (circle) / no (circle)

Sample / Tag #: .02 Time: 0834 Target sex/age: SUB A Wpt #: 50

Lat: _____ Long: _____ Behavior: APP. BOAT Before/Response/After: BOAT / FD / UNK

other reacting/present: 0, 0 Area/side hit: RS BF Cameras/frames: CJF 1207 / HLR 0286

Comments: GO PRO OF BIOPSY

Attempt #: 4 Tagger/sampler: MAM (circle & initials) Device: rifle / crossbow (circle) / pole / drone - hit (circle) / miss / NA - sample/tag: yes (circle) / no (circle)

Sample / Tag #: .04 Time: 0957 Target sex/age: JUV Wpt #: 53

Lat: _____ Long: _____ Behavior: APPROACH Before/Response/After: BOAT / FD / UNK

other reacting/present: 0, 0 Area/side hit: RS BF Cameras/frames: CJF 2042 / HLR 0611

NB: SAMPLE # .03 WAS PREY, ON NEXT PAGE

Comments: _____

USE BIOPSY/TAGGING SHEET FOR ADDITIONAL ATTEMPTS (number pages consecutively, e.g., next page is 3 of ____). Attempt # consecutive throughout day. Sample or Tag #/type consecutive sample # for entire day (sample # code = RWBYYYYMMDD.## e.g., RWB2020NOV10.04). Response e.g., flinch, fast dive, tail slap. For tagging, note PTT ID (e.g., 98406) & type (SPOT6, Mk10, Fastloc, Finmount). For breath samples note "Blow", distance from blowhole, and # blows. For successful tagging, note CPA after tagging (and time of CPA and reaction), for suction-cup tags note duration of attachment, recovery time & location, if skin collected from cup or water, etc. Cross out spaces not used at end of encounter. If sampled or tagged individual not distinctive note Camera/frame # of close companions as well. Rev.2020JAN30. Record initials after data entry: _____

HAWAII ENCOUNTER, TAGGING AND SAMPLE SHEET

RECORD ITEMS IN BOLD IMMEDIATELY

Record items in italics at end of encounter

Date: 07 JUL 2024 Start time: 0739 Species: FKW Sight. # 2 Cue SBF Effort On / Off (circle)

Wpt # when first seen or estimate: 600M Wpt # 45 Obs. GJF Obs. Pos. PULPIT Recorder: HGTC Start Behav. TR Start DOT W

Group Size: 16, 18, 24 # sub-groups: 0 Group Envelope: 4000M x 5000M % group obs.: 100 # bow-riding: 9

End Time: 1057 End Wpt#: 58 End Behav.: TRAVEL End DOT: N # w/CC wounds: 3 # wounds/individual: 1 % w/CC wounds: 1 # vessels w/group: 0

Reason for Leaving: 7 CPA: <1 Neonates: 1 YOY: 1 # Adult ♂s: 2 # photo-gram.: 0 # IDs: 18 Prey/fecal Samples: 1 PREY

Sight# other research boat: NA Other cetaceans present/Sight#: PW #3 Mixed group: YES #/type sharks: 0 #/type birds: 20 WTSH: 0 #/type fish: see notes

Photographer initials: BDG, D37, HLR, PIFSC, MAM, MAM, RWB, RWB, GJF, GJF Video, camera or drone: 0 Start - end frames: 42-2867, 2870, 28-1054, 1055, 86-155, 156, 1-295, 296, 211-3483, 3484 sub-group and end blanks (start at left): 2870, 1055, 156, 296, 3484 GoPro (yes/no (circle)) type/position (list): 2826, 1027, 20, 295, 3273, 7491

Photographer initials	Video, camera or drone	Start - end frames	sub-group and end blanks (start at left)	GoPro (yes/no (circle)) type/position (list)
BDG, D37		42-2867	2870	2826
HLR, PIFSC		28-1054	1055	1027
MAM, MAM		86-155	156	20
RWB, RWB		1-295	296	295
GJF, GJF		211-3483	3484	3273
Total # photos				7491

Note camera used for PhotoGrammetry (PG)

PERMIT INFO: # reacting: 0 avoidance distance (m): NA # approach <1 body length: 9 In-water Approach: N Drone Use: N Notes: 3 PREDATION

EVENTS, 1 SWORDFISH, 2 UNKNOWN (GO-PRO OF 1), SAMPLE OF 2ND PREDATION. CLUSTER 4

AT END OF DAY (summarize from back of page or from Homeport)

biopsy attempts: 7 # hits: 6 # samples: 6 # target misses: 6 # non-target reacting: 2 # suction attempts: 0 # suction tagged: 0 # dart/finmount attempts: 0 # dart/finmount tagged: 0

taken incidental: 0 Boat: RAW Sea Cond.: B2 Start Lat/Long: 20.635445 End Lat/Long: 20.746317 Distance from 1st seen: 100369 m Est. or GPS: 116016 m

Distance to shore (from GPS): 100369 m Closest Landmark: LANAI Start depth: 100369 m Distance from 1st seen (circle Est or GPS, note if BINOS): 116016 m

Cue= SBF= Splash/Blow/Fin; FV= Fishing Vessel; AD= Acoustic Detection; Birds; Land; Radio call; Radio Tag; ORV= Other Research Vessel. Obs.= Observers. Behavior e.g., travel, fast travel, mill, social, feeding, rest. DOT= direction of travel. YOY= young of year. Reason for Leaving: 1. Group Lost; 2. Group Not Approachable; 3. Continuing Search, some samples/IDs; 4. All 1ID; 5. Low priority; 6. Higher priority species seen; 7. Weather/time of day; 8. Other (include in notes). Cross out or write NA in all spaces not used. For "Notes" record group size changes; audio recording duration & CPA; predation events; other samples collected; types of vessels (rec. fishing, charter fishing, dolphin-watching); maximum speed (from GPS) if fast travel; description of un-id species; if >1 sub-group record distance between, min/best/max for each, # adult ♂s/neonates/YOY for each, & sub-group blanks for each (e.g., "Sub-A, 416, Sub-B, 602"); for Kogia slow rolling v. logging, direction pointing v. traveling, dive durations. For beaked whales, ~# breaths/dive durations, time waited.

SAMPLING AND TAGGING INFORMATION

DD MMM year

Date: 07 / JUL / 2024 Boat: RWB Recorder: HGTC Sighting #: 2 Page: 2 of 3

Attempt #: 1 Tagger/sampler: MAM (circle & initials) Device: rifle / crossbow (circle) - hit / miss (circle) / NA - sample/tag: yes (circle) / no (circle)

Sample / Tag #: _____ Type: _____ Time: 0810 Target sex/age: AD Wpt #: _____

Lat: _____ Long: _____ Behavior: _____ Before/Response/After: _____ / NONE / _____

(only if sample/tag successful)

other reacting/present: 0, 0 Area/side hit: NA Cameras/frames: _____

Comments: _____

Attempt #: 2 Tagger/sampler: MAM (circle & initials) Device: rifle / crossbow (circle) - hit / miss / NA - sample/tag: yes (circle) / no (circle)

Sample / Tag #: RWB2024JUL07.01 Type: _____ Time: 0820 Target sex/age: SUB A Wpt #: 49

Lat: 20.601523 Long: -157.090337 Behavior: APPROX Before/Response/After: BOAT / FD / UNK

(only if sample/tag successful)

other reacting/present: 1, 1 Area/side hit: RS BF Cameras/frames: BDG-739

HI PC 0800

Comments: GO PRO OF BIOPSY

Attempt #: 3 Tagger/sampler: MAM (circle & initials) Device: rifle / crossbow (circle) - hit / miss / NA - sample/tag: yes (circle) / no (circle)

Sample / Tag #: RWB 2024 JUL 07.02 Type: _____ Time: 0834 Target sex/age: SUB A Wpt #: 50

Lat: 20.608020 Long: -157.09113 Behavior: APP Before/Response/After: BOAT / FD / UNK

(only if sample/tag successful)

other reacting/present: 0, 0 Area/side hit: RS BF Cameras/frames: CJF 1207 / HLR 0286

HI PC 0704

Comments: GO PRO OF BIOPSY

Attempt #: 4 Tagger/sampler: MAM (circle & initials) Device: rifle / crossbow (circle) - hit / miss / NA - sample/tag: yes (circle) / no (circle)

Sample / Tag #: RWB2024JUL07.04 Type: _____ Time: 0957 Target sex/age: JUV Wpt #: 53

Lat: 20.699157 Long: -157.114268 Behavior: APPROX Before/Response/After: BOAT / FD / UNK

(only if sample/tag successful)

other reacting/present: 0, 0 Area/side hit: RS BF Cameras/frames: CJF 2042 / HLR 0611

NB: SAMPLE # .03 WAS PREY, ON NEXT PAGE

Comments: HI PC 0839

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