HAWAII ENCOUNTER, TAGGING AND SAMPLE SHEET

RECORD ITEMS IN BOLD IMMEDIATELY   *Record items in italics at end of encounter*

Date: _____ / _____ / _____   **Start time** _____   Species _____   **Sight. #** _____   **Cue** _____   On / Off
    DD   MMM   YYYY   (24 h clock)   see below   (circle)   Effort

Wpt # when first seen or Estimate _____   **Wpt#** _____   **Obs.** _____   **Obs. Pos.** _____   Recorder _____   Start Behav. _____   Start DOT _____
(circle Wpt or Est, note if with BINOS)   (@group)   (P/S/pulpit/back)   initials

Group Size: _____ / _____ / _____   *# sub-groups* _____   *Group Envelope* _____   *% group obs.* _____   *# bow-riding* _____
              MIN   BEST   MAX   (if >1 details in Notes)   (e.g., 100 x 400 m)   (close enough to observe neonates etc)

End Time _____   *End Wpt#* _____   *End Behav.* _____   *End DOT* _____   *# w/CC wounds* _____   *# wounds/ individual* _____   *% w/CC wounds* _____   *# vessels w/group* _____
                                                                                                                                                    (types in Notes)

Reason for Leaving _____   CPA _____   *Neonates* _____   *YOY:* _____   *# Adult ♂s* _____   *# IDs* _____   *Prey/fecal Samples* _____
(see below)   (# or unk.)   (# or unk.)   (type/# - details on effort log)

Sight# other research boat _____   *Other cetaceans present/Sight#:* _____   *Mixed group* _____   *#/type sharks* _____   *#/type birds* _____   *#/type fish* _____
(# or NA)   (use separate data sheet if other species)   **Yes/No/NA**   (incld. Remoras)

Photographer initials	Video, camera or drone	*Start - end frames*	*sub-group and end blanks* (start at left)	*GoPro or Insta360* yes / no (circle) type/position
_____	_____	_____	_____	
_____	_____	_____	_____	
_____	_____	_____	_____	
_____	_____	_____	_____	
_____	_____	_____	_____	_____

Note camera used for PhotoGrammetry (PG)   Total # photos

PERMIT INFO:

 # reacting overall approach _____   *avoidance distance (m)* _____   *# approach<1 body length* _____   *In-water Approach* _____   *Drone Use* _____   *Notes:* _____
                        (0 if no reaction)   yes/no   yes/no

_____

_____

_____

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

# biopsy attempts	# hits	# samples	# target reacting 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 _____ km   Closest Landmark _____   Closest Island _____   Start depth _____ m   Distance from 1st seen Est. or GPS _____ m
        (from GPS)   (bearing & name, from GPS)   (from 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:____/_____/_____Boat:_____Recorder:_____Sighting #:_____Page: _____ of _____

Attempt #:_____ **Tagger/ sampler:**_____ (circle & initials)   **Device (circle type)** rifle / crossbow / pole / drone **- hit / miss / NA -** (circle) **sample/tag: yes / no** (circle both type and outcome)

Sample /Tag #:_____ **Time**:_____ **Target sex/age**:_____ **Wpt #**:_____
(e.g., RWB2025JUN20.01 for sample, PTT # and type, SPOT LIMPET, for tag)

Behavior

*Lat:*_____ *Long:*_____ **Before/Response/After:**_____/_____/_____
(only if sample/tag successful)
 # other reacting/present:_____/_____ **Area/ side hit**:_____ **Cameras/ frames:**_____

Comments:_____

Attempt #:_____ **Tagger/ sampler:**_____ (circle & initials)   **Device (circle type)** rifle / crossbow / pole / drone **- hit / miss / NA -** (circle) **sample/tag: yes / no** (circle both type and outcome)

Sample /Tag #:_____ **Time**:_____ **Target sex/age**:_____ **Wpt #**:_____
(e.g., RWB2025JUN20.01 for sample, PTT # and type, SPOT LIMPET, for tag)

Behavior

*Lat:*_____ *Long:*_____ **Before/Response/After:**_____/_____/_____
(only if sample/tag successful)
 # other reacting/present:_____/_____ **Area/ side hit**:_____ **Cameras/ frames:**_____

Comments:_____

Attempt #:_____ **Tagger/ sampler:**_____ (circle & initials)   **Device (circle type)** rifle / crossbow / pole / drone **- hit / miss / NA -** (circle) **sample/tag: yes / no** (circle both type and outcome)

Sample /Tag #:_____ **Time**:_____ **Target sex/age**:_____ **Wpt #**:_____
(e.g., RWB2025JUN20.01 for sample, PTT # and type, SPOT LIMPET, for tag)

Behavior

*Lat:*_____ *Long:*_____ **Before/Response/After:**_____/_____/_____
(only if sample/tag successful)
 # other reacting/present:_____/_____ **Area/ side hit**:_____ **Cameras/ frames:**_____

Comments:_____

Attempt #:_____ **Tagger/ sampler:**_____ (circle & initials)   **Device (circle type)** rifle / crossbow / pole / drone **- hit / miss / NA -** (circle) **sample/tag: yes / no** (circle both type and outcome)

Sample /Tag #:_____ **Time**:_____ **Target sex/age**:_____ **Wpt #**:_____
(e.g., RWB2025JUN20.01 for sample, PTT # and type, SPOT LIMPET, for tag)

Behavior

*Lat:*_____ *Long:*_____ **Before/Response/After:**_____/_____/_____
(only if sample/tag successful)
 # other reacting/present:_____/_____ **Area/ side hit**:_____ **Cameras/ frames:**_____

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 = RWB*YYYYMMMDD*.## e.g., RWB2025NOV10.04). *Response* e.g., flinch, fast dive, tail slap. For tagging, note PTT ID (e.g., 98406) & type (LIMPET/Finmount, SPOT6, SPLASH10F). 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. 2025APR08. Record initials after data entry:**_____