

PROTOCOL FOR EXAMINING MARINE MAMMALS FOR SIGNS OF HUMAN INTERACTION

Exam Information (fill in or circle most appropriate)

1 Field #: _____ Species: _____
 2 Examiner: _____ Recorder: _____
 3 Date of exam: _____ Condition code (at exam): 1 2 3 4 5 CBD
 4 Preservation: alive fresh frozen frozen/thawed Body condition: emaciated not emaciated CBD
 5 Documentation: digital print slide video Image disposition: _____
 6 Integument: normal abnormal decomposed % Skin missing: <10% 10-25% 25-50% >50%

Explanation of terms:
 YES = I have examined the area and found signs of human interaction
 NO = I have examined the area did not find signs of human interaction
 CBD = I have examined the area and could not determine whether there were signs of human interaction (i.e. the part was missing, degraded, or signs were ambiguous)
 NE = I did not examine the area
 NA = this animal doesn't normally have that part (i.e. seals have no dorsal, dolphins have no rear flippers)

WHOLE BODY EXAM		YES	NO	CBD	NE	NA	Image taken
8	Appendage(s) removed / Mutilation (with instrument)						
9	Pelt removed / Mutilation (with instrument)						
10	Body sliced / Mutilation (with instrument)						
11	Gear / Debris present on animal (including tags)						
12	Gear / Debris retained (name & contact info in Comments)						
13	External pathology (pox, tattoo lesion, abscess)						
14	Natural markings (scars, tooth rakes, unusual pigmentation)						
15	HI lesions (fishery, gunshot, propeller, healed HI scar, brand)						

16 Predation / scavenger damage (circle all anatomical areas where damage hinders evaluation; numbers coincide with anatomical areas below): 17 18 19 20 21 22 23 24 25 26 27 28 29 NONE

FILL IN TABLE FOR ALL POSSIBLE FINDINGS OF HI

Do not use for natural markings/pathology.

DETAILED EXAM OF ANATOMICAL AREAS	Origin of Lesion																Image taken?			
	Type of Lesion									Gear - Twine Type										
	YES	NO	CBD	NE/NA	Impression/Laceration	Penetrating wound	Healed HI scar	Abrasion	Other / CBD	Twine / line	Net	other / CBD	Monofilament	Multifilament	CBD	Propeller		Gunshot	Other / CBD	
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Field #: _____

INTERNAL EXAM		YES	NO	Partial	CBD	Image taken	Detailed Info (circle all that apply)
Date _____							
30	Internal exam conducted						<i>Details in Comments section -use line number</i>
31	Bruising/blunt trauma						<i>Details in Comments section -use line number</i>
32	Skeleton examined						<i>Details in Comments section -use line number</i>
33	Broken bones present						<i>Associated tissue reaction: YES NO CBD</i>
34	Mouth/GI tract examined (circle contents)						<i>intact prey partially digested hard parts only debris/gear empty other</i>
35	Lungs/bronchi examined						<i>Details in Comments section -use line number</i>
36	Lung/bronchi contents						<i>froth fluid air (color:)</i>
37	Bullet/projectile found						<i>found using: CT X-ray dissection (collected? Y N)</i>
38	Other lesions noted						<i>Details in Comments section -use line number</i>

39 **Comments** (note line number from left margin before each comment):

40 **Findings of Human Interaction:** YES NO CBD (Exam Type: external__ internal__ both __)
(transfer to Level A Datasheet)

41 Type of HI: (provide details in comments)

<input type="checkbox"/> Entanglement (gear__ debris__ CBD__)	<input type="checkbox"/> Vessel trauma (sharp__ blunt__ both__)
<input type="checkbox"/> Hooking (recreational__ commercial__ CBD__)	<input type="checkbox"/> Gunshot <input type="checkbox"/> Mutilation
<input type="checkbox"/> Ingestion (gear__ debris__ CBD__)	<input type="checkbox"/> Harassment <input type="checkbox"/> CBD/Other_____

42 **Stranding Event History/Circumstances:**

43 **INITIAL HUMAN INTERACTION EVALUATION:** If you marked YES above (line 40) evaluate the external exam, necropsy, carcass condition and circumstances surrounding the stranding event to answer the question below. *Remember to be conservative in your subjective evaluation.*

What is the likelihood that the finding of human interaction (line 40), contributed to the stranding event?

0: Uncertain (CBD) 1: Improbable 2: Suspect 3: Probable

44 **Justification:**

Final human interaction evaluation requires additional data from level B and C analyses as well as review by a veterinary pathologist.