

NECROPSY FORM

FIELD #: Ps3	NECROPSY DATE: March 25 2016
SPECIES: PHOCOENA SINUS	STRAND DATE: March 24 2016
AGE CLASS: ADULT	STRAND LOCATION: 31°03.2513 N 114°49.0371 W
SEX: MALE	THAW DATE: NEVER FROZEN
PROSECTOR(S): Jorge Antonio Valle Hernandez, Alexander Beloch, Kerri Danil, Guadalupe Gomez Hernandez, Yunina Guerrero Martinez, Alejandra Lazo de la Vega, Sarah Mesnick, Lorenzo Rojas Bracho, Oswaldo Santoillan	CARCASS CONDITION CODE: 4
TOTAL LENGTH: 140.0 CM, WEIGHT: 41.7 KG	TIME: 11.30 AM

E examined, NE not examined, NA not applicable

Cause of Death: Trauma, entanglement.

Samples collected:

Muscle in DMSO (1), muscle in ethanol (1), skin in DMSO (1), skin in ethanol (1)

Stomach contents, intestinal contents (frozen, taken to SWFSC, USA).

Skeleton, teeth (5), blubber, reproductive tract, kidney, liver (frozen, at PROFEPA, MX)

STRANDING OR SAMPLING HISTORY: Found floating by Sea Shepherd March 24, 2016 @ 1736.
Note three linear pale areas on right thoracic region, indicative of entanglement.



MEASUREMENTS (specify units <u>cm</u>)		(*not parallel to body axis)	
1. total length	<u>fluke notch too degraded force 140.0 cm</u>	25. length of throat grooves	<u>n/a</u>
2. snout to anus	<u>94.2 cm</u>	26. flipper length, anterior*	<u>27.8 cm</u>
3. snout to genital slit	<u>69.9 cm</u>	27. flipper length, posterior*	<u>21.2 cm</u>
4. snout to umbilicus	<u>58.1 cm</u>	28. flipper width, maximum*	<u>11.0 cm</u>
5. snout to throat grooves	<u>n/a</u>	29. length mammary slits	R _____ L <u>n/a</u>
6. snout to dorsal fin tip	<u>119.0 cm</u>	30. number of mammary slits	<u>n/a</u>
7. snout to anterior dorsal fin	<u>59.5 cm</u>	31. length of genital slit	<u>too bloated</u> anal slit <u>2.0 cm</u>
8. snout to flipper (insertion)	<u>25.2 cm</u>	32. perineal length (males)	<u>22.5 cm</u>
9. snout to ear	<u>17.5 cm</u>	33. fluke width*	<u>estimate 22.5 (L 1/2 of fluke) 22.5 cm</u>
10. snout to eye	<u>13.5 cm</u>	34. fluke depth*	<u>n/a</u> lobe _____ notch <u>n/a</u>
11. snout to gape	<u>9.2 cm</u>	35. fluke notch depth*	<u>n/a</u>
12. snout to blowhole	<u>bloated n/a</u>	36. dorsal fin height*	<u>18.0 cm</u>
13. snout to melon apex	<u>n/a</u>	37. dorsal fin base length	<u>23.5 cm</u>
14. center of eye to ear*	<u>5.7 cm</u>	38. girth at eye*	<u>n/a</u>
15. center of eye to gape*	<u>7.0 cm</u>	39. girth at axilla*	_____
16. center eye to blowhole edge, L*	<u>12.6 cm</u>	40. girth, maximum*	<u>bloated</u> _____
17. center eye to blowhole edge, R*	<u>11.2 cm</u>	41. girth at anus*	_____
18. blowhole length _____ width*	<u>n/a</u>	42. girth midway anus to notch*	_____
19. diameter ear opening	<u>too degraded n/a</u>	43. height same place*	<u>14.0 cm</u>
20. head diameter at eyes*	<u>bloated 12.1 cm</u>	44. thickness same place*	<u>n/a</u>
21. length of eye opening	<u>bloated n/a</u>	45. blubber thickness, dorsal*	<u>0.4 cm</u>
22. rostral width, melon apex*	<u>n/a</u>	46. blubber thickness, lateral*	<u>0.4 cm</u>
23. projection upper/lower jaw	<u>n/a</u>	47. blubber thickness, ventral*	<u>0.7 cm</u>
24. number of throat grooves	<u>n/a</u>	48. blubber thickness, cervical*	<u>0.4 cm</u>

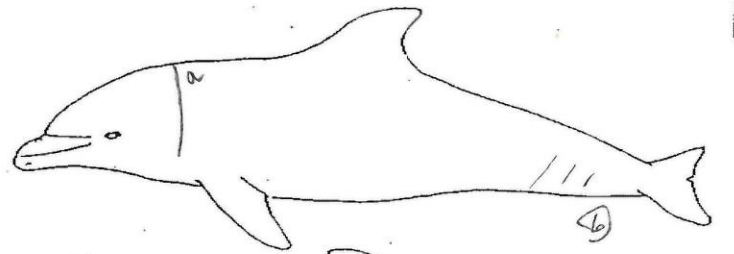
BODY CONDITION (EXTERIOR): Robust, >75% skin has sloughed off, body is intact but oily



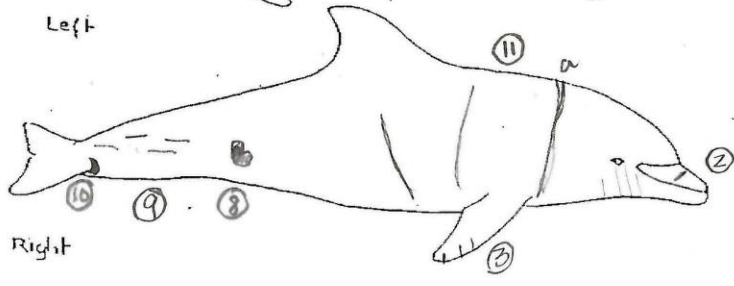
SKIN / HUMAN INTERACTION: Multiple linear impressions on head, axilla, peduncle, pectoral fin, and flukes indicate clear signs of entanglement



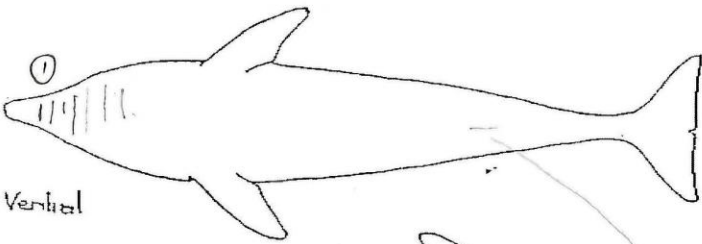
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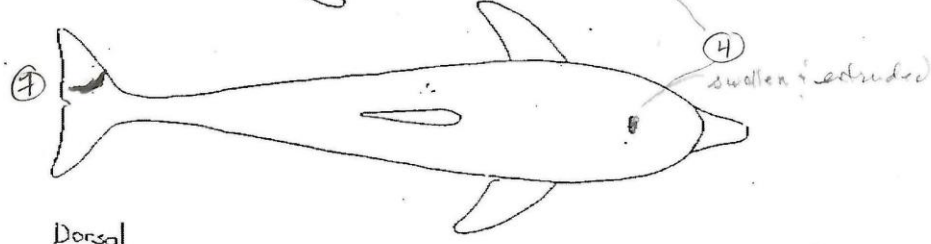
Left



Right



Ventral



Dorsal

1. 7 linear impressions, ventral head region, 0.1 cm in width. These appear to wrap around head, although skin is missing
2. Vertical linear impression mid upper jaw and 4 vertical linear abrasions/impressions posterior mandible
3. Right leading edge of pectoral fin, there are 3 linear impressions
4. > 75% skin is missing; genital slit swollen, with tip of penis protruding; blowhole and tongue swollen & extruded; no skin on lateral body so evidence of net marks difficult to assess
5. Body is oily
6. 3 linear, faint, but deep furrows on left lateral peduncle
7. Deep furrow in left dorsal fluke, 0.5 cm wide
8. Organs protruding from 4 cm hole, right lateral abdominal area
9. 4 linear abrasions on right lateral peduncle
10. Vertical linear impression at fluke insertion, right side
11. Three linear pale areas, 1 cm wide: surrounding head at axilla, posterior to axilla (right), and mid lateral (right side)

DISCHARGES: ABSENT

UMBILICUS: Scarred E

BLUBBER:

E

Blubber is yellow with patches of green throughout. Subcutaneous hemorrhage in melon fat is present.



SKELETAL MUSCLE:

E

Scattered areas of emphysema in superficial fascia. Circumferential hematoma from snout to “neck”





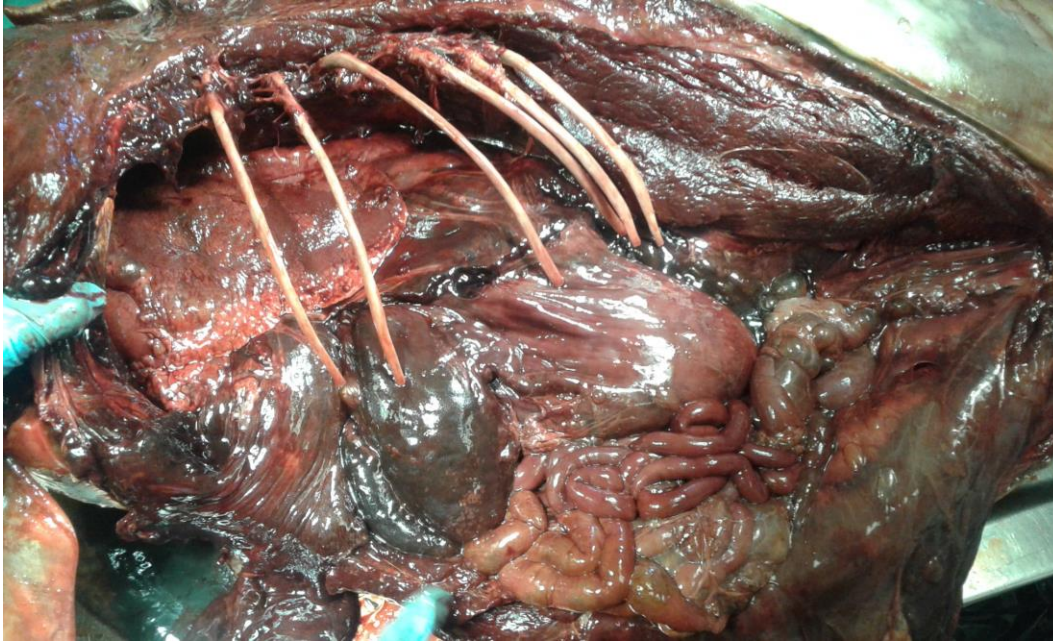
SKELETON AND JOINTS: **E**

Skeleton collected whole. Pelvic bones stored with penis.

EYES: **Right:** E **Left:** E

ORAL CAVITY: **E**

TEETH: Fully erupt. Tooth count, upper L: 18, upper R: 20, lower L: 17, lower R: 19
Partially digested fish in mouth (~10cm in length)

THORACIC CAVITY: Organs friable, easily torn**E****ESOPHAGUS:****E**

Partially digested fish present

THYROID:**NE****THYMUS:****NE****TRACHEA / BRONCHI / LUNGS:****E**

Lungs are dense, heavy, emphysematic, and dark pink/red with scattered white raised areas. Portions of lung float while others sink in water.

HEART / PULMONARY ARTERIES / AORTA :**E**

Heart is flaccid without structural integrity

ABDOMINAL CAVITY:**E****LIVER:****E****SPLEEN:****E****PANCREAS:****NE****STOMACH:****E**

Fore stomach contains partially digested fish.

SMALL INTESTINE:**E**

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LARGE INTESTINE: **E**

Contents are dry and hard, forming rock like aggregations.

ADRENAL GLAND: Right: NE Left: NE

URINARY BLADDER: empty **E**

KIDNEY: Right: E Left: E

Extremely friable, no structure.

MALE REPRODUCTIVE TRACT E

Weight (g) w/epididymis R: 500, L: 550; without epididymis R: 450, L: 500

Porpoise appears to be sexually mature based on testes weights.

INSIDE SKULL: **NE**

BRAIN: Cerebrum: NE Cerebellum: NE
Brain stem: NE

SPINAL CORD: **NE**