

NECROPSY FORM

FIELD #: Ps 9	NECROPSY DATE: April 4 2018
SPECIES: PHOCOENA SINUS	STRAND DATE: March 28 2018
AGE CLASS: ADULT	STRAND LOCATION: FLOATING IN VAQUITA REFUGE BY MX NAVY, BAJA CALIFORNIA, MX
SEX: FEMALE WEIGHT: 40 KG EST.	THAW DATE: APRIL 3 2018
PROSECTOR(S): GULLAND, GOMEZ, REBOLLADO	CARCASS CONDITION CODE: 4
TOTAL LENGTH: 140 CMS	TIME: 10 AM

Cause of Death: Fisheries bycatch (hemorrhage in subcutis and musculature of neck, fish in stomach, fat, no other lesions detected)

Samples collected: Stomach contents (1 bag), Skin (4 samples, 1 alcohol, 2 DMSO, 1 plain frozen); Blubber (4, in foil, frozen); Teeth (6, vial); Liver (2, in whirlpac); Muscle (2, whirlpac), histology (in formalin , uterus, lung, lymph node, heart, trachea). All samples to SWFSC, NMFS, La Jolla, USA. Histology then to University of Illinois.

Skeleton in black bag, stored at Campo Uno, San Felipe, MX

HISTORY: Found floating by navy and reported north west refuge, 31° 70.00 N, 114° 43 0.00 , carcass has circular holes on left flank, intestines protruding, eyes missing, all skin missing except for piece on melon area, stored in ice and freezer until necropsy

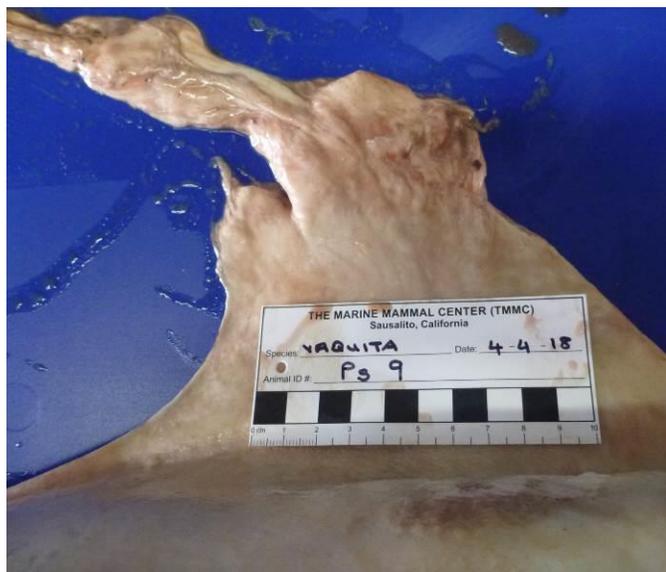


BODY CONDITION (EXTERIOR):

Robust nutritional condition (nuchal area convex), epithelium is mostly missing, small section of skin about 4 cms square still present on melon area, blubber layer thick (1-2 cms) and exuding lipid.

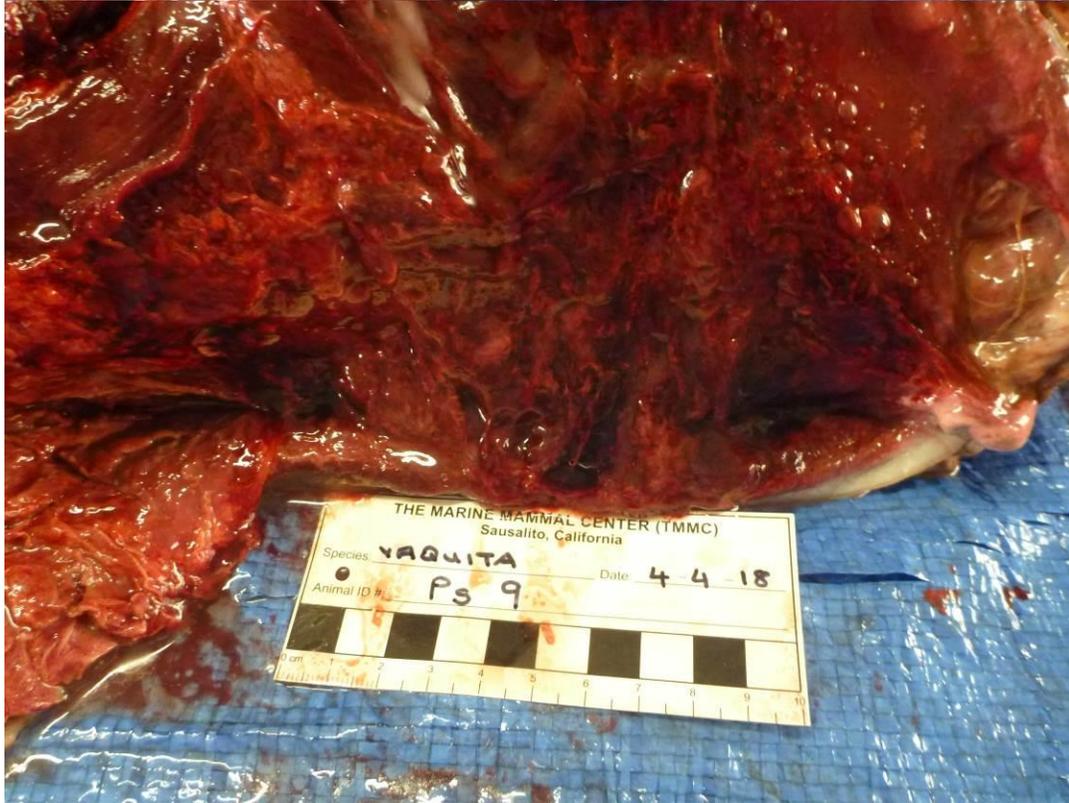
SKIN, SUBCUTIS:

The dorsal fin has a notch in the trailing edge, the tip is rounded, all skin missing and ragged pieces of tissue on it. The rostrum has areas of tissue loss with ragged edges, with exposed bone and necrotic muscle exposed. The blubber of the neck area is discoloured with a distinct margin around the circumference of the neck between white/yellow blubber caudally and deep red edematous tissue cranially. The subcutis around the head, between the mandibles is edematous, deep red coloration typical of hemorrhage.



BLUBBER: Blubber is pale green/yellow, exudes lipid, areas around neck and between mandibles, neck and right scapula area are deep red/purple

SKELETAL MUSCLE: Small area of hemorrhage around insertion of right flipper



SKELETON AND JOINTS: No fractures detected, all epiphyses fused

EYES: Missing

ORAL CAVITY: Teeth fully erupted, some tooth wear, multiple teeth missing upper, lower jaws



ESOPHAGUS: fish bones in lumen

THYROID: NE **THYMUS:** NE

TRACHEA / BRONCHI / LUNGS: Lungs congested diffusely

HEART / PULMONARY ARTERIES / AORTA :No abnormalities detected

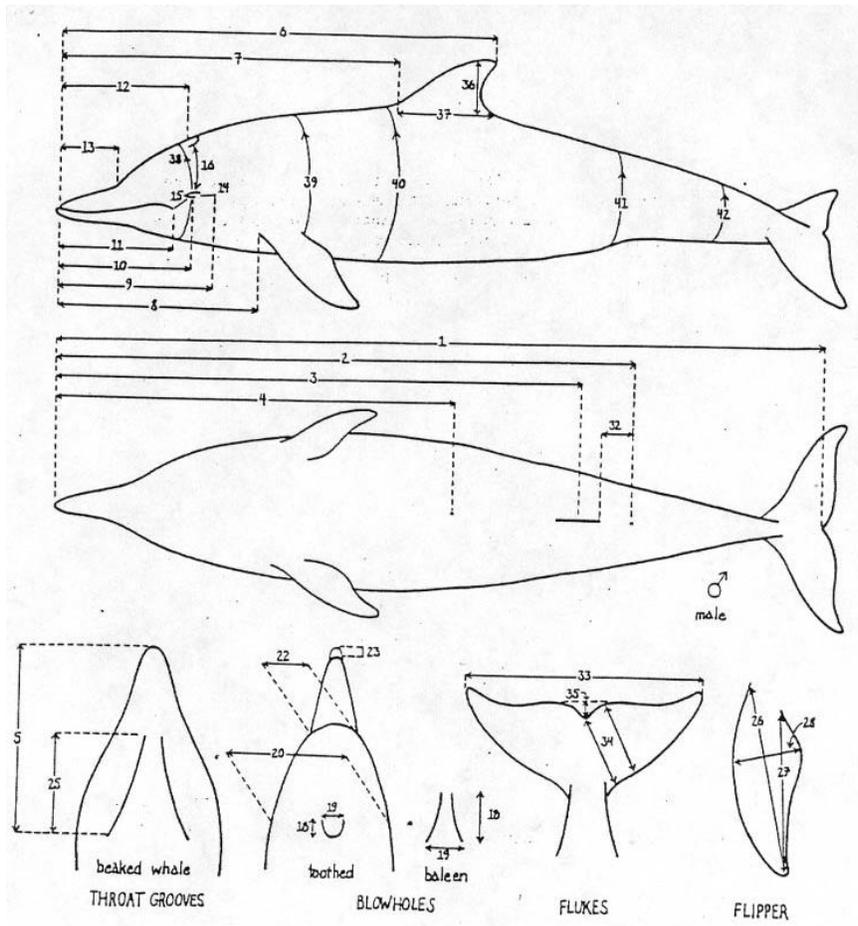
ABDOMEN: LIVER: Congested, decomposing, deep purple **SPLEEN:** Deep purple, decomposing **PANCREAS:** NAD **STOMACH:** First stomach contains approx 500 g fish bones and flesh (frozen solid as a mass, collected as a mass)

SMALL INTESTINE: LARGE INTESTINE: Missing

ADRENAL GLANDS: Missing

URINARY BLADDER Missing **Kidneys:** Missing **REPRODUCTIVE TRACT :** Presumed uterus protruding from abdominal cavity, attached by threads of loose decomposing tissue, organ has an irregularly thickened muscular wall, assumed uterine body (section taken for histology to confirm)

INSIDE SKULL: Not examined, skull frozen intact



MEASUREMENTS (in cms)

- 1 total length..... 140
- 2 snout to anus..... 80
- 3 snout to genital slit...NA.....
- 4 snout to umbilicus..... 60.....
- 6 snout to dorsal fin tip..... 68.....
- 7 snout to ant dorsal fin..... 56....
- 8 snout to flipper..... 27.5.....
- 9 snout to ear..... 18.....
- 10 snout to eye..... 12.....
- 11 snout to gape..... 6.5.....
- 12 snout to blowhole (s)..... 8.....
- 13 snout to melon apex na
- 14 eye to ear..... 6.....
- 15 eye to gape..... 5.....
- 16 eye to blowhole edge, L... 8.5.....
- 17 eye to blowhole edge, R... 5.....
- 18 blowhole length_na
- 19 diameter ear opening.....na.....
- 20 head diameter at eyes..... 14..
- 21 length of eye opening..... 2.5..
- 22 rostral width, melon apex..... na
- 23 projection up/lower jaw.....na.....

- 26 flipper length, anterior..... 28.....
- 27 flipper length, posterior..... 23.....
- 28 flipper width, maximum..... 10.....
- 29 length mammary slits R_____na_____L_____no of mammary slits na
- length genital slit _____na
- 32 perineal length (males)
- 33 fluke width 38.5
- 34 fluke depth, lobe 11.5
- 35 fluke notch depth...na.....
- 36 dorsal fin height..... 13.7
- 37 dorsal fin base length... 21.....
- 38 girth at eye... 49.....
- 39 girth at axilla... 81.....
- 40 girth, maximum... 87.....
- 41 girth at anus..... 68.....
- 42 girth midway anus to notch... 25.....
- 43 height same place..... 13.....
- 44 thickness same place..... 3.5.....
- 45 blubber thickness, dorsal... 1.5.....
- 46 blubber thickness, lateral..... 1.5.....
- 47 blubber thickness, ventral..... 1.5.....