

## NECROPSY FORM

<b>FIELD #:</b> Ps 7	<b>NECROPSY DATE:</b> July 11 2017
<b>SPECIES:</b> PHOCOENA SINUS	<b>STRAND DATE:</b> n/a
<b>AGE CLASS:</b> JUVENILE	<b>STRAND LOCATION:</b> FLOATING IN VAQUITA REFUGE, BAJA CALIFORNIA, MX 31 09 16N 114 41 41.7W
<b>SEX:</b> FEMALE <b>WEIGHT:</b>	<b>THAW DATE:</b> JULY 9 2017
<b>PROSECTOR(S):</b> LRB, FMDG, KD, RALPH PACE, OSWALDO (PROFEPA)	<b>CARCASS CONDITION CODE:</b> 4
<b>TOTAL LENGTH:</b> 109.5 CMS	<b>TIME:</b> 11.45AM

**Cause of Death:** Fisheries bycatch (due to net marks on skin, hemorrhage in musculature, fish in stomach)

**Samples collected:**

Skin: 3 vials (ethanol & frozen); 5 teeth from left mandible (1 bag), liver, kidney, dorsal fin, blubber, somach, reproductive tract, all to SWFSC. Gastrointestinal tract contents to CICESE Ernesto Nieto for biotoxins.

**HISTORY:** Found floating and reported by vesel "Narval" of Museo de la Ballena (photo below) 10.20 April 20 2017, brought to zoo in Tijuana by PROFEPA, examined April 23, carcass frozen solid. Photos taken on April 23 and video by NYT Nordlund. Monofilament line and small hook loose in mouth removed. No sign of the hook or line attached to animal. Some fish ingest in mouth. Then stored for 10 weeks at Tijuana Zoo, brought to Ensenada for necropsy on July 11 2017.



**BODY CONDITION (EXTERIOR):**

Robust nutritional condition (nuchal area convex), epithelium is mostly missing, more missing on right side

**SKIN / HUMAN INTERACTION:** Multiple linear criss-crossed linear marks on the epithelium and blubber over body, with distance between parallel lines of 15 cm, lines are 0.5 cm papprx thick, see photo.

Caudal margin of the dorsal fin is ragged edged, missing epithelium. The axilla has a irregular shaped focal area of hemorrhage in the blubber. There is hemorrhage in the musculature along the dorsum



**DISCHARGES:** ABSENT

**UMBILICUS:** Healed

**BLUBBER:** white/ green/ purple mottled

**SKELETAL MUSCLE:** Hemorrhage in dorsal musculature in the midline over the thoracic vertebrae, and in longissimus dorsi muscles

**SKELETON AND JOINTS:** No fractures detected

**EYES:** **Right:** intact, rotting **Left:** intact, rotting

**ORAL CAVITY:** Teeth fully erupted, multiple teeth missing, presumed due to post mortem loss.

**ESOPHAGUS:** Contains two small semi digested fish

**THYROID:** NE **THYMUS:** NE

**TRACHEA / BRONCHI / LUNGS:** Congested, no foreign bodies or masses

**HEART / PULMONARY ARTERIES / AORTA :** Grossly normal

**ABDOMEN LIVER:** Black, necrotic **SPLEEN:** Congested **PANCREAS:** NE **STOMACH:** Contains 5 small semi digested fish, no parasites or ulcers observed

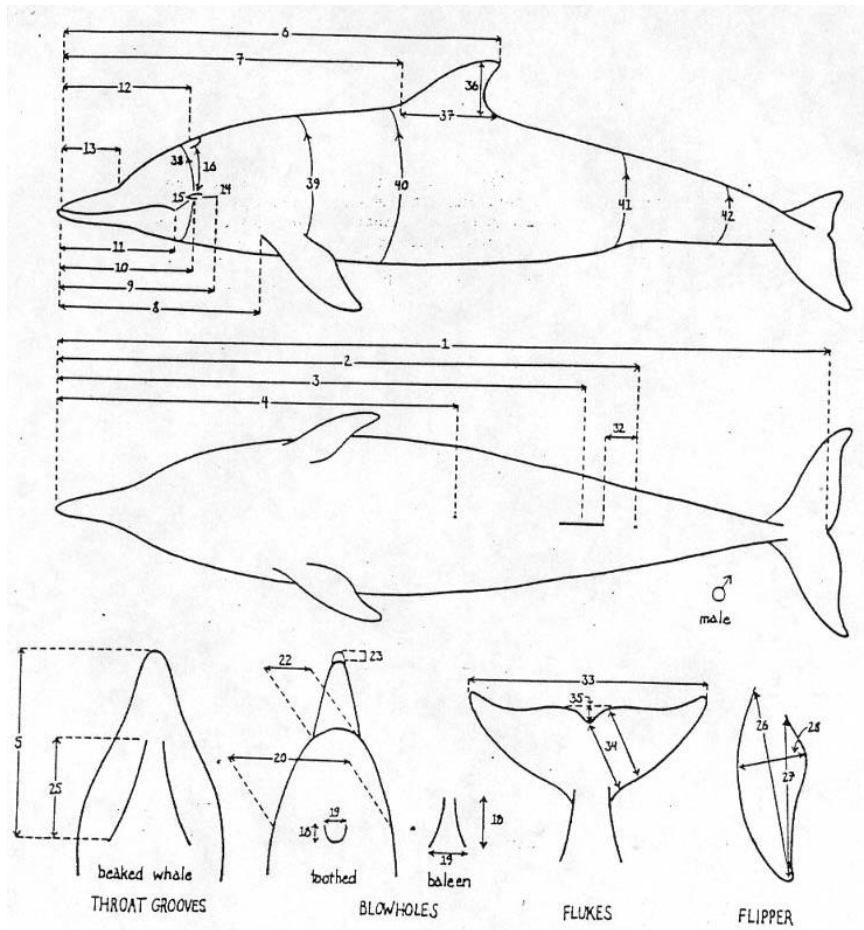
**SMALL INTESTINE:** slight brown red liquid content **LARGE INTESTINE:** Empty

**ADRENAL GLAND: Right: NE Left: NE**

**URINARY BLADDER** Empty **Kidneys:** Normal **REPRODUCTIVE TRACT :** Immature, no follicles on ovaries

**INSIDE SKULL:** Brain liquid





MEASUREMENTS (in cms)

- 1 total length..... 107 cm (109.5 when thawed July 11)
- 2 snout to anus..... 72 cm (74 cms on July 11)
- 3 snout to genital slit..... 68 cm
- 4 snout to umbilicus..... 48 cm
- 6 snout to dorsal fin tip..... 63 cm
- 7 snout to ant dorsal fin..... 47 cm. (48.9 cms on July 11)
- 8 snout to flipper..... 21 cm
- 9 snout to ear..... \_\_\_\_\_
- 10 snout to eye..... 10 cm right side
- 11 snout to gape..... 6 cm \_\_\_\_\_
- 12 snout to blowhole (s)..... 4.5 cm
- 13 snout to melon apex..... na \_\_\_\_\_
- 14 eye to ear..... \_\_\_\_\_
- 15 eye to gape..... 6cm \_\_\_\_\_
- 16 eye to blowhole edge, L..... 10cm.
- 17 eye to blowhole edge, R..... 10.7cm
- 18 blowhole length na \_\_\_\_\_ width...scavenged
- 19 diameter ear opening..... na \_\_\_\_\_
- 20 head diameter at eyes..... na \_\_\_\_\_
- 21 length of eye opening..... na \_\_\_\_\_
- 22 rostral width, melon apex..... na \_\_\_\_\_
- 23 projection up/lower jaw..... n/a

- 26 flipper length, anterior..... 22 cm \_\_\_\_\_
- 27 flipper length, posterior..... 17 cm \_\_\_\_\_
- 28 flipper width, maximum..... 7.4 cm
- 29 length mammary slits R \_\_\_\_\_ L na frozen 30 number of mammary slits one on right present other scavenged
- 31 length genital slit \_\_\_\_\_ anal \_\_\_\_\_
- 32 perineal length (males)...n/a female. \_\_\_\_\_
- 33 fluke width 38 cm (40 cm on July 11 when thawed)
- 34 fluke depth, lobe na notch na \_\_\_\_\_
- 35 fluke notch depth..... na \_\_\_\_\_
- 36 dorsal fin height..... 12.5cm margin is tattered
- 37 dorsal fin base length..... 14.5 cm
- 38 girth at eye..... n/a
- 39 girth at axilla..... \_\_\_\_\_
- 40 girth, maximum..... \_\_\_\_\_
- 41 girth at anus..... \_\_\_\_\_
- 42 girth midway anus to notch..... \_\_\_\_\_
- 43 height same place..... \_\_\_\_\_
- 44 thickness same place..... \_\_\_\_\_
- 45 blubber thickness, dorsal..... 1.4 cm \_\_\_\_\_
- 46 blubber thickness, lateral..... 0,8 cm \_\_\_\_\_
- 47 blubber thickness, ventral..... 0.7 cm \_\_\_\_\_