

**Institute of Veterinary, Animal and Biomedical Sciences
Massey University**

PATHOLOGY REPORT

Status: Final

Date:

Type: Mortality

Submitter	Submission Details
Helen McCaughan Department of Conservation Mahaanui	Lab. Case/Spec ID: Submitter's Ref: Date Submitted: 08/12/2010 Date Received: 09/12/2010 Previous Case ID: WMD Case/Spec ID: 6242/1
Animal Details	Epidemiology
Animal ID: Animal Name: Species: <i>Cephalorhynchus hectori hectori</i> Common Name: Hector's Dolphin Sex Class: Male Age Class: Neonate Date Died:	Number Dead: Number at Risk: Number Sick: Number Submitted: 1

Growth and Development

Parameter	Result Description	Value	Date Measured	Age Group
Depth of Tail Notch		.025 m	10/12/2010	
Dorsal Blubber Depth		13 mm	10/12/2010	
Eye to Blowhole Length		.095 m	10/12/2010	
Eye to Corner of Mouth Length		.025 m	10/12/2010	
Girth at Anus		.295 m	10/12/2010	
Girth at Eye		.37 m	10/12/2010	
Girth at Flippers		.445 m	10/12/2010	
Girth at Navel		.445 m	10/12/2010	
Height of Dorsal Fin		.065 m	10/12/2010	
Lateral Blubber Depth		15 mm	10/12/2010	
Length of Base of Dorsal Fin		.125 m	10/12/2010	
Length of Flipper		.15 m	10/12/2010	
Length of Flukes		.075 m	10/12/2010	
Snout to Anus Length		.51 m	10/12/2010	
Snout to Corner of Mouth Length		.105 m	10/12/2010	
Snout to Genital Slit Length		.435 m	10/12/2010	

Snout to Origin of Dorsal Fin Length	.355 m	10/12/2010
Snout to Origin of Flipper Length	.2 m	10/12/2010
Total Length	.71 m	10/12/2010
Ventral Blubber Depth	14 mm	10/12/2010
Width of Flipper	.06 m	10/12/2010
Width of Flukes	.25 m	10/12/2010
Weight	6.8 kg	10/12/2010

DIAGNOSIS

Possible maternal separation

COMMENTS

The significance of the nodules on the heart is unknown, but histological examination may help to determine whether there is any underlying condition that is responsible for this calf's death.

ANIMAL HISTORY

Found washed up on Waikuku Beach. No obvious injuries.

GROSS PATHOLOGY

This male neonate was in a good state of preservation, and in reasonable body condition. There were foetal folds present, along with foetal whiskers, a folded dorsal fin and a fresh umbilical stump. The lungs were well inflated, and the stomach was empty. There was abundant meconium in the distal colon and rectum. Scattered over the epidardial surface of the left ventricle and atrium were 10 - 15, 2-3mm diameter, yellow, gritty nodules which protruded slightly from the cardiac muscle. The superficial lymphatics were prominent. There were no other significant findings.

HISTOPATHOLOGY

Collected representative organs including brain

Pathologist: