

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

**PATHOLOGY REPORT**

**Status:** Final  
**Date:** 07/12/2008  
**Type:** Mortality

<b>Submitter</b>	<b>Submission Details</b>
Department of Conservation	Lab. Case/Spec ID: <b>42644</b>  Date Submitted: Date Received: 14/11/2008 Previous Case ID: WMD Case/Spec ID: 4659/1
<b>Animal Details</b>	<b>Epidemiology</b>
. <b>Animal Name:</b> W08-21Ch <b>Species:</b> <i>Cephalorhynchus hectori hectori</i> <b>Common Name:</b> Hector's Dolphin <b>Sex Class:</b> Female <b>Age Class:</b> Adult <b>Date Died:</b>	Number Dead: 1 Number at Risk: Number Sick: Number Submitted: 1

**Growth and Development**

Parameter	Result Description	Value	Date Measured	Age Group
Depth of Tail Notch		.022 m	06/12/2008	Adult
Dorsal Blubber Depth		22 mm	06/12/2008	Adult
Eye to Blowhole Length		.13 m	06/12/2008	Adult
Eye to Corner of Mouth Length		.035 m	06/12/2008	Adult
Girth at Anus		.475 m	06/12/2008	Adult
Girth at Eye		.555 m	06/12/2008	Adult
Girth at Flippers		.815 m	06/12/2008	Adult
Girth at Navel		.9 m	06/12/2008	Adult
Height of Dorsal Fin		.1 m	06/12/2008	Adult
Lateral Blubber Depth		18 mm	06/12/2008	Adult
Length of Base of Dorsal Fin		.245 m	06/12/2008	Adult
Length of Flipper		.185 m	06/12/2008	Adult
Length of Flukes		.12 m	06/12/2008	Adult
Snout to Anus Length		.99 m	06/12/2008	Adult
Snout to Corner of Mouth Length		.16 m	06/12/2008	Adult
Snout to Genital Slit Length		.905 m	06/12/2008	Adult
Snout to Origin of Dorsal Fin Length		.67 m	06/12/2008	Adult

Snout to Origin of Flipper Length	.32 m	06/12/2008	Adult
Total Length	1.325 m	06/12/2008	Adult
Ventral Blubber Depth	18 mm	06/12/2008	Adult
Width of Flipper	.088 m	06/12/2008	Adult
Width of Flukes	.38 m	06/12/2008	Adult
Weight	41 kg	06/12/2008	Adult

#### DIAGNOSIS

Open 1. Open

#### COMMENTS

This mature female dolphin had no indications of being entangled in a net: her stomach had no fresh contents, and her lungs were not consistent with drowning as a cause of death. Tissues have been saved for further diagnostic work if required. although freezing makes it less likely that a definitive diagnosis will be possible.

#### ANIMAL HISTORY

"Sample washed up on beach, very fresh, was not there at 12.30pm so arrived 12.30 - 2.30. Received and frozen, no nets seen, weather = changeable spring weather."

#### GROSS PATHOLOGY

##### EXTERNAL FINDINGS

There was marked haemorrhage and oedema of the intermandibular area. The overlying skin was intact. The body was very fresh, with minimal skin slippage.

##### INTERNAL FINDINGS.

The lungs were moderately well aerated, with a small amount of fluid in the terminal airways, extending into the medium airways in some areas. The uterus had multiple linear grooves along the body, and the left ovary had a large cystic follicle with multiple corpora albicans (mature). The mammary glands were small and discrete with no milk. The stomach did not contain fresh ingesta.