

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

PATHOLOGY REPORT

Status: Pending
Date: 22/03/2013
Type: Mortality

<p>Submitter</p> <p style="text-align: center;">Department of Conservation</p>	<p>Submission Details</p> <p>Lab. Case/Spec ID:</p> <p>Submitter's Ref:</p> <p>Date Submitted: 19/02/2013</p> <p>Date Received: 25/02/2013</p> <p>Previous Case ID:</p> <p>WMD Case/Spec ID: 6726/1</p>
<p>Animal Details</p> <p>Animal ID:</p> <p>Animal Name: W13-10Ch</p> <p>Species: <i>Cephalorhynchus hectori hectori</i></p> <p>Common Name: Hector's Dolphin</p> <p>Sex Class:</p> <p>Age Class:</p> <p>Date Died:</p>	<p>Epidemiology</p> <p>Number Dead:</p> <p>Number at Risk:</p> <p>Number Sick:</p> <p>Number Submitted: 1</p>

Growth and Development

Parameter	Result Description	Value	Date Measured	Age Group
Depth of Tail Notch		.02 m	21/03/2013	
Dorsal Blubber Depth		mm	21/03/2013	
Eye to Blowhole Length		.12 m	21/03/2013	
Eye to Corner of Mouth Length		.05 m	21/03/2013	
Girth at Anus		m	21/03/2013	
Girth at Eye		m	21/03/2013	
Girth at Flippers		m	21/03/2013	
Girth at Navel		m	21/03/2013	
Height of Dorsal Fin		.09 m	21/03/2013	
Lateral Blubber Depth		mm	21/03/2013	
Length of Base of Dorsal Fin		.23 m	21/03/2013	
Length of Flipper		.201 m	21/03/2013	
Length of Flukes		.11 m	21/03/2013	
Snout to Anus Length		.91 m	21/03/2013	
Snout to Corner of Mouth Length		.15 m	21/03/2013	
Snout to Genital Slit Length		.84 m	21/03/2013	
Snout to Origin of Dorsal Fin Length		.585 m	21/03/2013	

Snout to Origin of Flipper Length	.305 m	21/03/2013
Total Length	1.3 m	21/03/2013
Ventral Blubber Depth	mm	21/03/2013
Width of Flipper	.075 m	21/03/2013
Width of Flukes	.33 m	21/03/2013
Weight	32 kg	21/03/2013

DIAGNOSIS

Open - too autolysed for diagnosis

ANIMAL HISTORY

Not received with specimen.

GROSS PATHOLOGY

This dolphin was frozen and stored prior to shipping to Massey for necropsy. On thawing, the body proved to be extremely autolysed, with liquefaction of blubber and dessication of the skin. The oesophagus was herniated through the oral cavity and the tongue was missing. The intestines were herniated through the anus. Girth measurements and blubber depth measurements were not taken due to tissue loss.

No net marks were apparent, although the state of decomposition did not allow for reliable assessment for these. Muscles were gas-filled and fragmented, and body organs were liquefied, thus post mortem was not able to reveal the cause of death or to establish the overall health or body condition of the animal.

Pathologist: