

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

**PATHOLOGY REPORT**

**Status:** Pending

**Date:**

**Type:** Mortality

Submitter	Submission Details
<p style="text-align: center;">Department of Conservation</p> <p style="text-align: center;">Hokitika</p>	<p>Lab. Case/Spec ID: <b>50423</b></p> <p>Submitter's Ref:</p> <p>Date Submitted:</p> <p>Date Received: 08/01/2014</p> <p>Previous Case ID:</p> <p>WMD Case/Spec ID: 7285/1</p>
Animal Details	Epidemiology
<p><b>Animal ID:</b> H247</p> <p><b>Animal Name:</b> W14-01Ch</p> <p><b>Species:</b> <i>Cephalorhynchus hectori hectori</i></p> <p><b>Common Name:</b> Hector's Dolphin</p> <p><b>Sex Class:</b> Female</p> <p><b>Age Class:</b> Neonate</p> <p><b>Date Died:</b></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		.015 m	10/01/2014	Neonate
Dorsal Blubber Depth		mm	10/01/2014	Neonate
Eye to Blowhole Length		m	10/01/2014	Neonate
Eye to Corner of Mouth Length		m	10/01/2014	Neonate
Girth at Anus		m	10/01/2014	Neonate
Girth at Eye		m	10/01/2014	Neonate
Girth at Flippers		m	10/01/2014	Neonate
Girth at Navel		m	10/01/2014	Neonate
Height of Dorsal Fin		.055 m	10/01/2014	Neonate
Lateral Blubber Depth		mm	10/01/2014	Neonate
Length of Base of Dorsal Fin		.115 m	10/01/2014	Neonate
Length of Flipper		.125 m	10/01/2014	Neonate
Length of Flukes		.075 m	10/01/2014	Neonate
Snout to Anus Length		m	10/01/2014	Neonate
Snout to Corner of Mouth Length		.095 m	10/01/2014	Neonate
Snout to Genital Slit Length		m	10/01/2014	Neonate
Snout to Origin of Dorsal Fin Length		.31 m	10/01/2014	Neonate

Snout to Origin of Flipper Length	.185 m	10/01/2014	Neonate
Total Length	.63 m	10/01/2014	Neonate
Ventral Blubber Depth	mm	10/01/2014	Neonate
Width of Flipper	.05 m	10/01/2014	Neonate
Width of Flukes	.022 m	10/01/2014	Neonate
Weight	3.9 kg	10/01/2014	Neonate

#### DIAGNOSIS

Open - extensive scavenging

#### ANIMAL HISTORY

Found dead on Blaketown Beach. Retrieved and frozen on 7 December.

#### GROSS PATHOLOGY

This dolphin calf was moderately well preserved but extensively scavenged. The only organs remaining were a very small piece of one kidney, half a lung lobe and a portion of the liver. All these tissues were friable due to freeze-thaw artefact therefore were not saved for histology. A small remnant of the vaginal vestibule also remained.

The skin was extensively cracked and fissured. The dorsal fin was folded, there were no fetal whiskers or fetal folds, and no teeth were erupted (young neonate).

Only limited measurements could be made due to scavenging of the throat, abdomen and thorax.