

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

PATHOLOGY REPORT

Status: Pending

Date:

Type: Mortality

<p>Submitter</p> <p style="text-align: center;">Department of Conservation</p>	<p>Submission Details</p> <p>Lab. Case/Spec ID: 49080</p> <p>Submitter's Ref:</p> <p>Date Submitted:</p> <p>Date Received: 15/12/2012</p> <p>Previous Case ID:</p> <p>WMD Case/Spec ID: 6704/1</p>
<p>Animal Details</p> <p>Animal ID:</p> <p>Animal Name: W12-17Ch</p> <p>Species: <i>Cephalorhynchus hectori hectori</i></p> <p>Common Name: Hector's Dolphin</p> <p>Sex Class: Male</p> <p>Age Class: Neonate</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		.018 m	15/12/2012	Neonate
Dorsal Blubber Depth		18 mm	15/12/2012	Neonate
Eye to Blowhole Length		.09 m	15/12/2012	Neonate
Eye to Corner of Mouth Length		.02 m	15/12/2012	Neonate
Girth at Anus		.318 m	15/12/2012	Neonate
Girth at Eye		.35 m	15/12/2012	Neonate
Girth at Flippers		.425 m	15/12/2012	Neonate
Girth at Navel		.44 m	15/12/2012	Neonate
Height of Dorsal Fin		.066 m	15/12/2012	Neonate
Lateral Blubber Depth		14 mm	15/12/2012	Neonate
Length of Base of Dorsal Fin		.14 m	15/12/2012	Neonate
Length of Flipper		.145 m	15/12/2012	Neonate
Length of Flukes		.08 m	15/12/2012	Neonate
Snout to Anus Length		.488 m	15/12/2012	Neonate
Snout to Corner of Mouth Length		.11 m	15/12/2012	Neonate
Snout to Genital Slit Length		.435 m	15/12/2012	Neonate
Snout to Origin of Dorsal Fin Length		.33 m	15/12/2012	Neonate

Snout to Origin of Flipper Length	.185 m	15/12/2012	Neonate
Total Length	.695 m	15/12/2012	Neonate
Ventral Blubber Depth	15 mm	15/12/2012	Neonate
Width of Flipper	.06 m	15/12/2012	Neonate
Width of Flukes	.21 m	15/12/2012	Neonate
Weight	6.4 kg	15/12/2012	Neonate

DIAGNOSIS

Maternal separation

COMMENTS

There is no evidence of any underlying infectious disease in this calf, and no indications of trauma or human interaction. The poor body condition and empty gastrointestinal tract are supportive of a diagnosis of death due to maternal separation.

ANIMAL HISTORY

Found near Waimari surf club, New Brighton

GROSS PATHOLOGY

This calf was in fresh post mortem condition, with no skin sloughing or scavenging. His body condition was moderate to poor, with a pronounced neck present. The dorsal fin was not folded, and there were fetal folds present along with a few fetal whiskers. No teeth had erupted. A single partial thickness skin laceration was present on the left chest wall, but there was no associated haemorrhage or bruising (likely post mortem). No net marks were evident.

The stomach was empty, and there was meconium present in the distal large intestine. The lungs were well inflated. There were numerous 1-2mm diameter white raised nodules on the epicardial surface.

No other gross abnormalities were present.

HISTOPATHOLOGY

Histo summary:

- lungs aerated with moderate/high numbers of intra-alveolar squames and some macrophages
- no other significant findings

Pathologist: