

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

**PATHOLOGY REPORT**

**Status:** Pending

**Date:**

**Type:** Mortality

Submitter	Submission Details
Department of Conservation  Christchurch	Lab. Case/Spec ID: <b>49284</b>  Submitter's Ref: Date Submitted: 01/03/2013 Date Received: 01/03/2013 Previous Case ID: WMD Case/Spec ID: 6722/1
Animal Details	Epidemiology
<b>Animal ID:</b> <b>Animal Name:</b> W13-08Ch <b>Species:</b> <i>Cephalorhynchus hectori hectori</i> <b>Common Name:</b> Hector's Dolphin <b>Sex Class:</b> Female <b>Age Class:</b> Neonate <b>Date Died:</b>	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		m	01/03/2013	Neonate
Dorsal Blubber Depth		mm	01/03/2013	Neonate
Eye to Blowhole Length		m	01/03/2013	Neonate
Eye to Corner of Mouth Length		m	01/03/2013	Neonate
Girth at Anus		m	01/03/2013	Neonate
Girth at Eye		m	01/03/2013	Neonate
Girth at Flippers		.02 m	01/03/2013	Neonate
Girth at Navel		.527 m	01/03/2013	Neonate
Height of Dorsal Fin		.438 m	01/03/2013	Neonate
Lateral Blubber Depth		17 mm	01/03/2013	Neonate
Length of Base of Dorsal Fin		.148 m	01/03/2013	Neonate
Length of Flipper		.137 m	01/03/2013	Neonate
Length of Flukes		.08 m	01/03/2013	Neonate
Snout to Anus Length		.622 m	01/03/2013	Neonate
Snout to Corner of Mouth Length		.13 m	01/03/2013	Neonate
Snout to Genital Slit Length		.582 m	01/03/2013	Neonate
Snout to Origin of Dorsal Fin Length		.438 m	01/03/2013	Neonate

Snout to Origin of Flipper Length	.228 m	01/03/2013	Neonate
Total Length	.885 m	01/03/2013	Neonate
Ventral Blubber Depth	17 mm	01/03/2013	Neonate
Width of Flipper	.06 m	01/03/2013	Neonate
Width of Flukes	.285 m	01/03/2013	Neonate
Weight	10.9 kg	01/03/2013	Neonate

#### DIAGNOSIS

Starvation subsequent to maternal separation

#### COMMENTS

This young calf died of starvation, with no evidence of any underlying disease process or traumatic incident.

#### GROSS PATHOLOGY

This young calf was in a very fresh condition, with only extremely minimal superficial scavenging. There were no fetal folds, and fetal whiskers were absent. The dorsal fin was not folded. No skin wounds or marks were present. The body condition was extremely thin, with extensive loss of epaxial muscle along the full length of the body, and a moderately prominent 'neck'. There was no subcutaneous bruising. The stomach was totally empty, and there was no meconium in the intestine. The liver was extremely fatty and floated in formalin. The lungs were well aerated.

#### HISTOPATHOLOGY

Histology summary:

Aerated lungs

No significant histological abnormalities

Pathologist: