

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

PATHOLOGY REPORT

Status: Final

Date:

Type: Mortality

<p>Submitter</p> <p>David Agnew Department of Conservation</p>	<p>Submission Details</p> <p>Lab. Case/Spec ID: 44350</p> <p>Submitter's Ref: H192 Date Submitted: 16/12/2009 Date Received: 17/12/2009 Previous Case ID: WMD Case/Spec ID: 4952/1</p>
<p>Animal Details</p> <p>Animal ID: H192 Animal Name: W09-21Ch Species: <i>Cephalorhynchus hectori hectori</i> Common Name: Hector's Dolphin Sex Class: Female Age Class: Neonate Date Died:</p>	<p>Epidemiology</p> <p>Number Dead: Number at Risk: Number Sick: Number Submitted: 1</p>

Growth and Development

Parameter	Result Description	Value	Date Measured	Age Group
Depth of Tail Notch		.01 m	18/12/2009	Neonate
Dorsal Blubber Depth		15 mm	18/12/2009	Neonate
Eye to Blowhole Length		.11 m	18/12/2009	Neonate
Eye to Corner of Mouth Length		.019 m	18/12/2009	Neonate
Girth at Anus		.285 m	18/12/2009	Neonate
Girth at Eye		.425 m	18/12/2009	Neonate
Girth at Flippers		.524 m	18/12/2009	Neonate
Girth at Navel		.527 m	18/12/2009	Neonate
Height of Dorsal Fin		.074 m	18/12/2009	Neonate
Lateral Blubber Depth		15 mm	18/12/2009	Neonate
Length of Base of Dorsal Fin		.14 m	18/12/2009	Neonate
Length of Flipper		.077 m	18/12/2009	Neonate
Length of Flukes		.095 m	18/12/2009	Neonate
Snout to Anus Length		.56 m	18/12/2009	Neonate
Snout to Corner of Mouth Length		.12 m	18/12/2009	Neonate
Snout to Genital Slit Length		.5 m	18/12/2009	Neonate
Snout to Origin of Dorsal Fin Length		.397 m	18/12/2009	Neonate

Snout to Origin of Flipper Length	.22 m	18/12/2009	Neonate
Total Length	.801 m	18/12/2009	Neonate
Ventral Blubber Depth	14 mm	18/12/2009	Neonate
Width of Flipper	.065 m	18/12/2009	Neonate
Width of Flukes	.26 m	18/12/2009	Neonate
Weight	10.5 kg	18/12/2009	Neonate

DIAGNOSIS

Possible maternal separation

COMMENTS

This calf had breathed well, and had suckled relatively recently. There were no signs consistent with disease, and no indications of entanglement or any other form of human interaction.

ANIMAL HISTORY

Animal recovered in dark at approx 1030 - 11.00pm on 12/12/09. Had been seen in Purakaunui Inlet by locals at 8.30 - 9.00pm on incoming tide. Animal recovered and concealed under kelp on bank then DOC called. Taken home by D Agnew and kept cool until morning when kept on ice. Steve Dawson viewed and considers it to be a female animal no more than 6 weeks of age.

GROSS PATHOLOGY

This calf had foetal whiskers present, and foetal folds were still obvious along both flanks. The dorsal fin was straight, and the umbilical stump was fresh and approximately 1 cm long. There were no external signs of trauma, and no bruising was evident in subcutaneous tissue. Body condition was assessed as moderate. The stomach contained approximately 40ml of milk, and there was chyle in the intestinal lymphatics. The lungs were well aerated, and congested but not oedematous. There was no foam in the airways.