

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

PATHOLOGY REPORT

Status: Pending
Date: 16/11/2012
Type: Mortality

Submitter	Submission Details
Department of Conservation	Lab. Case/Spec ID: 48984 Submitter's Ref: Date Submitted: 11/11/2012 Date Received: 14/11/2012 Previous Case ID: WMD Case/Spec ID: 6699/1
Animal Details	Epidemiology
Animal ID: Animal Name: W12-13Ch Species: <i>Cephalorhynchus hectori hectori</i> Common Name: Hector's Dolphin Sex Class: Unknown Age Class: Unknown Date Died:	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	15/11/2012	Unknown
Dorsal Blubber Depth		mm	15/11/2012	Unknown
Eye to Blowhole Length		m	15/11/2012	Unknown
Eye to Corner of Mouth Length		m	15/11/2012	Unknown
Girth at Anus		m	15/11/2012	Unknown
Girth at Eye		m	15/11/2012	Unknown
Girth at Flippers		m	15/11/2012	Unknown
Girth at Navel		m	15/11/2012	Unknown
Height of Dorsal Fin		m	15/11/2012	Unknown
Lateral Blubber Depth		mm	15/11/2012	Unknown
Length of Base of Dorsal Fin		m	15/11/2012	Unknown
Length of Flipper		.21 m	15/11/2012	Unknown
Length of Flukes		m	15/11/2012	Unknown
Snout to Anus Length		m	15/11/2012	Unknown
Snout to Corner of Mouth Length		m	15/11/2012	Unknown
Snout to Genital Slit Length		m	15/11/2012	Unknown
Snout to Origin of Dorsal Fin Length		m	15/11/2012	Unknown

Snout to Origin of Flipper Length	m	15/11/2012	Unknown
Total Length	1.41 m	15/11/2012	Unknown
Ventral Blubber Depth	mm	15/11/2012	Unknown
Width of Flipper	.088 m	15/11/2012	Unknown
Width of Flukes	m	15/11/2012	Unknown
Weight	32 kg	15/11/2012	Unknown

DIAGNOSIS

Open - too autolysed

COMMENTS

Tissues will be processed for histology although the state of decay means that this may not enable us to make a diagnosis as to cause of death.

ANIMAL HISTORY

Found at Seaford, Golden Bay

GROSS PATHOLOGY

This dolphin was in a moderate to advanced state of decomposition, with loss of most of the skin, scavenging of the eyes, tongue and anogenital region and liquefaction of the blubber. All internal organs were extremely friable. The gender could not be determined due to scavenging of the reproductive tract. It was in poor body condition, with very prominent dorsal and lateral spinous processes and marked atrophy of the skeletal musculature. A full set of measurements could not be made due to loss of tissue and liquefaction of blubber.

The oesophagus contained a large clump of nematodes, and the stomach was empty except for red/brown turbid fluid containing chunks of sloughed mucosa. The remaining mucosa was thickened and multifocally ulcerated.

The lungs were well aerated, with no evidence of pulmonary fluid or froth in the airways. Parasite granulomas were scattered throughout the lung fields.

No other gross abnormalities were detected.

Pathologist: