

Immediate notification report

Report reference: , Ref OIE: 10381, Report Date: 25/03/2011 , Country: Canada

Report Summary

Disease	Epizootic ulcerative syndrome	Animal type	Aquatic
Causal Agent	Aphanomyces invadans	Clinical Signs	Yes
Reason	First occurrence of a listed disease	Date of first confirmation of the event	28/02/2011
Date of Start of Event	25/09/2010	Date of report	25/03/2011
Date Submitted To OIE	25/03/2011	Diagnosis	Laboratory (advanced)
Number Of Reported Outbreaks	Submitted= 1, Draft= 0	Name of Sender of the report	Dr Brian Evans
Address	1400 Merivale Road, Tower 1 OTTAWA K1A 0Y9	Position	Chief Food Safety Officer/Chief Veterinary Officer
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Outbreak (this report - submitted)

Province	Unit Type	Location	Latitude	Longitude	Start date	End Date	Water Type	Population	Production system
ONTARIO	Lake	Lake Ontario	43,2831	-79,8296	25/09/2010	02/11/2010	Fresh Water	Wild	Open (e.g. wild fishery)
Species	Units for morbidity and mortality	Morbidity	Mortality	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild fish: Brown bullhead(Ameiurus nebulosus)	Qualitative (Scale)	1	0	Animals	0	0
Affected Population	The affected animals were adult catfish.								

Epidemiology

Epidemiological comments	
<p>This event was not associated with a visible die-off of finfish. This finding represents a new geographic location and a new species (brown bullhead, Ameiurus nebulosus). On 25 September 2010, sick fish were found in Hamilton harbour. The water temperature at the time of collection was 19 degrees Celsius. Seven adult brown bullheads were sent to Fisheries and Oceans Canada (DFO) for diagnostic work up. Another sample, 16 morbid adult brown bullheads, was submitted to DFO from the same location on 2 November 2010. On both submissions fish had deep ulcers on the head, base of fins and belly. Histological findings include severe mycotic ulcerative dermatitis and necrotizing granulomatous sub-acute myositis. Fungal structures were non-septate with occasional branching hyphae. No reproductive fungal structures were seen. Ulcerative lesions were also infected with bacteria.</p>	
Source of the outbreak(s) or origin of infection	• Unknown or inconclusive

Control Measures

Applied	• Movement control inside the country	To be applied	• Zoning
Animals treated	No		• Surveillance outside containment and/or buffer zone
		Vaccination Prohibited	No

Country / Zone

Country or zone	the whole country
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Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
National laboratory	Freshwater Institute	Brown bullhead(Ameiurus nebulosus)	polymerase chain reaction (PCR)	28/02/2011	Positive
National laboratory	Freshwater Institute	Brown bullhead(Ameiurus nebulosus)	histological test	28/02/2011	Positive

Future Reporting

What further reports will be submitted in relation to this event? The event is resolved. No more reports will be submitted.

Outbreak maps

