

## Immediate notification report

Report reference: REF OIE 17596, Report Date: 27/04/2015, Country : Russia

### Report Summary

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		<b>Date submitted to OIE</b>	27/04/2015

<b>Animal type</b>	Terrestrial	<b>Date of report</b>	27/04/2015
<b>Disease</b>	Highly pathogenic avian influenza	<b>Date of start of the event</b>	17/04/2015
<b>Causal Agent</b>	Highly pathogenic avian influenza virus	<b>Date of confirmation of the event</b>	21/04/2015
<b>Serotype(s)</b>	H5N1	<b>Date of last occurrence</b>	10/2014
<b>Reason</b>	Reoccurrence of a listed disease	<b>Diagnosis</b>	Laboratory (basic), Laboratory (advanced)
<b>Country or zone</b>	a zone or compartment	<b>Clinical signs</b>	No
<b>Number of reported outbreaks</b>	submitted= 1, Draft= 0		

### Outbreak details

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
ASTRAKHANSKAYA OBLAST- (this report - submitted)	-	Ikryaninsky		Not applicable	Makarkin	45.41222	47.845623	17/04/2015	27/04/2015
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Dalmatian pelican: Pelecanidae (Pelecanus crispus)	Animals	...	5	5	0	0			
Affected Population	The dead water birds were found in the Damchinsky area of the Federal Governmental Budgetary Institution Astrakhan State Biosphere Reserve.								

### Outbreak summary: Total outbreaks = 1 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Dalmatian pelican		5	5	0	0

### Epidemiology

#### Epidemiological comments

The comparative analysis of the obtained nucleotide sequences of the H gene 258 bp fragment showed that the tested isolates belonged to an Asian lineage of highly pathogenic avian influenza (lineage A/Guangdong/1/96 lineage, clade 2.3.2.1). Based on the H gene fragment nucleotide sequences the given isolates were the most similar to type A H5N1 highly pathogenic avian influenza virus isolates recovered in Altay krai in 2014 (98.83 % identity) and in Vietnam and China over the period from 2012 to 2014 (98.44-98.04% identity).

The hemagglutinin cleavage site of this virus includes several basic amino acids and has -RERRRKR- structure which allows this virus to be characterized as potentially highly virulent.

#### Source of the outbreak(s) or origin of infection

• Unknown or inconclusive

### Measures applied

Applied	To be applied
• control of wildlife reservoirs • screening	• no planned control measures
Animals treated	Vaccination Prohibited
No	No

### Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
Local laboratory	Government Budget Institution Astrakhan Oblast Veterinary Laboratory	Dalmatian pelican	polymerase chain reaction (PCR)	21/04/2015	Positive

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
National laboratory	All-Russian Research Institute for Animal Health (FGBI-ARRIAH)	Dalmatian pelican	haemagglutination inhibition test (HIT)	24/04/2015	Positive
National laboratory	All-Russian Research Institute for Animal Health (FGBI-ARRIAH)	Dalmatian pelican	virus isolation	24/04/2015	Positive
National laboratory	All-Russian Research Institute for Animal Health (FGBI-ARRIAH)	Dalmatian pelican	gene sequencing	24/04/2015	Positive
National laboratory	All-Russian Research Institute for Animal Health (FGBI-ARRIAH)	Dalmatian pelican	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	24/04/2015	Positive

### Future Reporting

The report and all its outbreaks have been resolved.

## Outbreak maps

