Country/territory: Bangladesh			AÇ	QUATIC ANI	MAL DISEA	ASE REPOR	1 - 2023							
country/territory: Bangiadesn	1					Disease status/oc	currence code a/	'c/					Level of	Epidemie
ISEASES PREVALENT IN THE REGION		Month												cal commer
INFISH DISEASES VOAH-listed diseases	January	February	March	April	May	June	July	August	September	October	November	December	diagnosis	numb
Infection with epizootic haematopoietic necrosis virus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
. Infection with infectious haematopoietic necrosis virus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
. Infection with spring viremia of carp virus . Infection with viral haemorrhagic septicaemia virus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
. Infection with Aphanomyces invadans (EUS)	0000	+()	+()	+()	+()	+()	+()	÷()	+()	+()	+()	+()	PCR	1
. Infection with red sea bream iridovirus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
. Infection with koi herpesvirus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
. Infection with tilapia lake virus fon WOAH-listed diseases	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		+
Grouper iridoviral disease	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		_
Viral encephalopathy and retinopathy	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
1. Enteric septicaemia of catfish	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
2. Carp Edema Virus Disease IOLLUSC DISEASES	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	_	+
VOAH-listed diseases														+-
. Infection with Bonamia exitiosa	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
. Infection with Perkinsus olseni	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
. Infection with abalone herpesvirus . Infection with Xenohaliotis californiensis	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		+
Infection with Ronamia ostreae	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
on WOAH-listed diseases				2.00	2300		2300		2300			2000		
Infection with Marteilioides chungmuensis	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
Acute viral necrosis (in scallops)	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
RUSTACEAN DISEASES VOAH-listed diseases		+	+		-								+	+
. Infection with Taura syndrome virus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
. Infection with white spot syndrome virus	+()	+()	+()	+()	-	-	-	-	-	-	-	-	PCR	2
. Infection with yellow head virus genotype 1	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
. Infection with infectious hypodermal and haematopoietic necrosis virus . Infection with infectious myonecrosis virus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		+
. Infection with Macrobrachium rosenbergii nodavirus (White Tail													+	+
isease)	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
. Infection with Hepatobacter penaei (Necrotising hepatopancreatitis) . Acute hepatopancreatic necrosis disease (AHPND)	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	ncm	+
. Infection with Aphanomyces astaci (Crayfish plague)	0000	0000	0000	0000	+()	0000	0000	0000	0000	0000	0000	0000	PCR	3
0. Infection with decapod iridescent virus 1 (DIV1)	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
on WOAH-listed diseases														
I.Hepatopnacreatic Microsporidiosis caused by Enterocytozoon epatopenaei (HPM-EHP)	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
Viral covert mortality disease (VCMD) of shrimps	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		_
3. Spiroplasma eriocheiris infection	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
AMPHIBIAN DISEASES					-									
VOAH-listed diseases . Infection with Ranavirus species	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		_
. Infection with Batrachochytrium dendrobatidis	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
Prepared by: Name: Md. Nowsjer Ali														
osition: Assistant Director														
		т												
NY OTHER DISEASES OF IMPORTANCE													nce	
.NY OTHER DISEASES OF IMPORTANCE Infection with Streptococcous of Tilapia (Oreochromis sp)	-	-	+()	+()	+()	-	-	+()	+()	+()	+()	-	PCR	4
NY OTHER DISEASES OF IMPORTANCE Infection with Streptococcous of Tilapia (Oreochromis sp) Infection with Aeromonas of Shing (Heteropnesites fossilis), Gulsha Mystus carustis), Pabda (Ompok binaculatus) and Pangus (P. popphthalimus)	+0	+()	+()	+()	+()	+()	+()	+()	+()	+0	+()	-	PCR PCR	
NAY OTHER DISEASES OF IMPORTANCE Infection with Streptococcous of Tilapia (Drochromis sp) Infection with Screptococcous of Tilapia (Drochromis sp) Infection with Acromosas of Sing (Heropromeases fossils), Galaba Mystus coursus), Pabda (Ompok bimaculatus) and Pangus (P. psyapphalalmus) INSEASES PRESEMIND EXORIC TO THE REGION* Infish: Infection with IPPR-deled or IPPR 9 salmon amarina virus, Infection with sal Inficient with Gerodacytes salaria. Infish: Chamel caffish virus disease Infish: Chamel caffish virus disease Infish: Chamel caffish virus disease	+()	+()	+()									-		5
INV OTHER DISEASES OF IMPORTANCE Infection with Streptococcous of Tilapia (Oreachronis sp) Infection with Aeroneass of Shing (Heteropeneuses fossilis). Guidea (Mystac caustus). Padad (Ompok himsulatas) and Pangus (P. yopolphalma) SISSASS PRISEASHED EXOTIC TO THE REGION* INTED BY THE WOAH Infection with Gyrodacylor salaris. Infection with complex infection marina. OT LISTED BY THE WOAH Infekt: Channel califish virus disease Please use the following occurrence code: Definition Definition Definition	+() mon pancreas disc	+()	+()									-		
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1. Epidemiological c	comments:
	de: 1) Origin of the disease or pathogon (history of the disease); 2) Species affected; 3) Disease characteristics (unusual clinical signs or lesions); 4) Pathogon (isolated/sero-typed); 5) Mortality rate (high low, decreasing/increasing/; 6) Death toll (economic loss, etc); 7) Size of infected areas or names of infected areas; 8) area taken; 9) Samples sent to national or international laboratories for confirmation (indicate the names of laboratories); 10) Published paper (articles in journals/website, etc), and 11) Unknown diseases: describe details as much as possible.)
Comment No.	
1	Infected species are Rohu (Labe rohita), Catla (Catla catla), Mrigal (Cirrhinus cirrhosis) with 0-20% mortality from February to December 2023 and Infection with this EUS occurs in Mymensingh, Jamalpur, Netrokona, Tangail districts. Aphanomyces invadans with symptoms of red spots or small to large ulcerative lesions on the fish body and detected through PCR in BFRI Labratory from February to November 2023. Conrol measures are taken. Surveillence activities strengthened.
2	Live Crab (Scylla serrata) in 3 Crab Farms (Reg N0-144-Bagerhat, 232-Khulna and 352-Satkhira) are tested WSSV positive in Quality Control Labratory, Khulna in January, February and March 2023. White Spot Syndrome Virus (WSSV) having, No clearly visible white spot signs with 0% mortally. Preventive/control measures taken as i) infected crabs destroyed for disposed of ii) awareness training has been given iii) Surveillance activities enhanced. On the other hand, in April 2023, Black tiger shrimp (Penaeus monodon) in 3 ponds of shrimp farms covering area with 2.60 acre get infected with WSSV in April 2023 occuring mortality 20-30% decreasing having symptoms white spot signs with a diameter 05-20 mm in carapace. Lethargy and decreased appetite, loose cuticle, reddish coloration for shrimp, PCR test shows WSSV infection in FIQC labratory, Khulna. Infected shrimp destroyed / disposed of and pond is properly disinfected and dried ii) awareness training has been given iii) Surveillance activities enhanced.
3	Black tiger shrimp (Penaeus monodon) in 1 ponds of shrimp farms covering area with 1.25 acre gets infected with AHPND occurring mortality 20% decreasing. PCR test shows AHPND infection by V. parahaemolyticus in May 2023 in FIQC labratory, Khulna. Infected shrimp destroyed / disposed of and pond is properly disinfected and dried ii) awareness training has been given iii) Surveillance activities enhanced. Iv) farm is fallowed. These ponds are on the way to be taken under culture as disinfection procedures have been completed.
4	Infection of Tilapia (Oreochromis sp.) with Streptococcus agalactiae having symptoms of loss of balance, pop eye, enlargement of liver, kidney and spleen occurred in some aquaculture establisments in Mymensingh and Netrokona in Mymensingh Division and Gazipur, Kishoreganj in Dhaka Division with 5-20's mortality, Pathogen is detected in March, April, May, October, November 2023 in BFRI labratory Mymensingh. The same species were infected with the same pathogen detected in the same labratory having same symptoms from 20-70's with mortality in the same area including additional Noakhali district of Chattagram Division in August and September 2023. Control measures were taken.
5	Infection of Stinging catfish (Heteropneustes fossilis), Pangus (Pangasianodon hypophthalmus), Gulsha (Mystus caavsius) and Pabda (Ompok bimaculatus) with Aeromonas sp. having symptoms of Red pop eye, red spot and lesion on body occurred in some ponds of Dhaka and Mymensingh Division with 5-45% mortality. Pathogen is detected in January, February, April, May, June, October and November 2023 for the mentioned species in BFRI labratory. Control measures were taken.
6	
2. New aquatic anin	nal health regulations introduced within past six months (with effective date):