

CASE NUMBER: 03F-64-A2.3-11

DATE: Aug 16, 2003

**MORPHOLOGIC DIAGNOSES:**

Slide 1, A2.3-11-1:

- 1). Heart: Myocytolysis, mild to moderate, multifocal, acute
- 2). Kidney, vasculature: Congestion and hyperemia, moderate, diffuse, acute

There are no significant lesions in the spleen, liver, adipose tissue, peripheral vasculature, or peripheral nerves.

Slide 2, A2.3-11-2:

- 1). Kidney: Nephritis, interstitial, moderate, multifocal to coalescing, necrohemorrhagic, acute
- 2). Spleen: Splenitis, moderate, multifocal, necrohemorrhagic, acute

There are no significant lesions in the heart, adipose tissue, peripheral vasculature, or peripheral nerves.

Slide 3, A2.3-11-3:

- 1). Kidney: Nephritis, interstitial, moderate, multifocal, necrohemorrhagic, acute
- 2). Spleen: Splenitis, mild, multifocal, necrohemorrhagic, acute
- 3). Heart: Myocytolysis, mild to moderate, multifocal, acute

There are no significant lesions in the liver, adipose tissue, peripheral vasculature, or peripheral nerves.

Slide 4, A2.3-11-4:

- 1). Kidney: Nephritis, interstitial, marked, diffuse, necrohemorrhagic, acute
- 2). Kidney, peri-renal fibroadipose tissue: Hemorrhage, moderate, multifocal to coalescing, acute
- 3). Spleen: Splenitis, mild, multifocal, necrohemorrhagic, acute

There are no significant lesions in the heart, liver, adipose tissue, peripheral vasculature, or peripheral nerves.

Slide 5, A2.3-11-5:

- 1). Kidney: Nephritis, interstitial, marked, diffuse, necrohemorrhagic, acute
- 2). Spleen: Hemorrhage, moderate, diffuse, acute

There are no significant lesions in the heart, liver, adipose tissue, peripheral vasculature, or peripheral nerves.

Slide 6, A2.3-11-6:

- 1). Kidney: Nephritis, interstitial, marked, diffuse, necrohemorrhagic, acute
- 2). Spleen: Splenitis, mild to moderate, diffuse, necrohemorrhage, acute

There are no significant lesions in the heart, liver, adipose tissue, peripheral vasculature, or peripheral nerves.

Slide 7, A2.3-11-7:

- 1). Kidney: Nephritis, interstitial, marked, diffuse, necrohemorrhagic, acute
- 2). Spleen: Splenitis, moderate, diffuse, fibrinohemorrhage, acute

There are no significant lesions in the heart, liver, adipose tissue, peripheral vasculature, or peripheral nerves.

Slide 8, A2.3-11-8:

- 1). Kidney: Nephritis, interstitial, marked, diffuse, necrohemorrhagic, acute
- 2). Kidney, peri-renal fibroadipose tissue: Hemorrhage, moderate, multifocal to coalescing, acute
- 3). Spleen: Splenitis, moderate, multifocal, fibrinohemorrhagic, acute

There are no significant lesions in the heart, liver, adipose tissue, peripheral vasculature, or peripheral nerves.

#### COMMENTS:

The multisystemic necrohemorrhagic inflammation is consistent with virtually all of the examined tissues and would have contributed significantly to antemortem morbidity and mortality. As viral infections are a prime consideration, follow up culture and molecular (polymerase chain reaction for IHNV and possibly VHSV) is strongly recommended. As these fish were likely shedding pathogens antemortem, additional stock has presumably been exposed, are likely infected and should be closely monitored for continued ongoing losses.

**\*FINAL REPORT\***