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Security Classification - Classification de sécurité UNCLASSIFIED
Our file - Notre référence 2010-120
Your File - Votre référence
Date Sept 29, 2010

Subject
Object

BROODSTOCK SCREENING RESULTS - LAKELSE SOCKEYE

Hello,

2010-120: Lakelse sockeye -- 64 frozen kidney samples and ovarian samples were received on Aug 25 (numbered 1 - 64); 44 sets of samples were received Aug 27 (numbered 65-108). Samples 1 -- 25 were run Sept 28th. The mean negative OD value for this run was 0.089. Samples 26 - 108 were run Sept 29th. The mean negative OD value for this run was 0.0847.

This year's ELISA results will be reported the same as last year. There will be 5 categories reported:

- Negatives have lower OD values than those of the kidneys of the negative control fish.
- Low level of detection fish have OD values <0.1. Negative fish and fish with low levels of detection are considered suitable for joint rearing in yearling programs.
- Low positive fish have an OD value greater than 0.1 but less than 0.25. Progeny from these eggs should be released early as unfed fry.
- Moderately positive fish have an OD value greater than 0.25 but less than 0.6. Eggs from a MP female should be outplanted (if suitable habitat is available downstream of the hatchery) or destroyed.
- High positive fish have OD values greater than 0.6. All eggs from females testing HP should be destroyed unless the escapement is poor enough to justify the risk of in-hatchery incubation.

ELISA results for BKD:

Neg: none

LLD: 26, 27, 29, 31, 36, 39, 40, 59, 61, 62, 65, 66, 71

LP: all other samples (95 of 108) are low positives with OD values > 0.100 and < 0.170

*Note: sample 89 will be repeated.

Virology results from cell culture:

All samples were negative for IHN virus by cell culture except sample # 23. Providing appropriate egg disinfection protocols were carried out, the risk of an IHN outbreak in this group is low.

The high prevalence of BKD in this stock is a bit overwhelming. I'm glad these progeny will all be promptly released to reduce the horizontal transmission of this pathogen during prolonged rearing. If there are any questions on the results, please give the lab or me a call. I'll update this once # 89 ELISA is repeated.

Chris

