

**SAMPLE SUMMARY TABLE :**  
**2002 Adult Winter Chinook Broodstock (WCS-LIV-2002-Adult)**  
**Livingston Stone Captive Brood Stock**

Virus screened by tissue culture on EPC and CHSE-214 cell lines in 1-3 fish pools of ovarian fluid (OF) kidney tissue (Kd). Systemic bacteria screened by culture of individual kidney samples on brain heart infusion agar (BHIA) and appropriate biochemical tests. *Renibacterium salmoninarum* screened by Enzyme Linked Immunosorbent Assay (*Rs*-ELISA) of individual kidney tissue or Direct Florescent Antibody Technique (*Rs*-DFAT) of individual ovarian fluid pellets. Parasites screened by histological examination (Histo) of individual intestine (It) samples or microscopic exam of PAS stained kidney imprints (Kd imp).

Method	# Samples (pool size)	Total Fish	Results	# Positive (% Positive)	Notes
<b>Virus</b>					
Tissue culture (OF)	20 (1-3)	58	IHNV	0	
<b>Bacteria</b>					
BHIA culture (Kd)	0		No Bacte done on this stock		
<i>Rs</i> -ELISA (Kd)	73 (1)	73	High antigen levels	0 (0%)	OD>0.500
			moderate antigen levels	1 (1%)	OD>0.200
			Low antigen levels	38 (52%)	OD 0.093-0.200
			Below negative cutoff	34 (47%)	OD<0.093
<i>Rs</i> -PCR (Kd)	2 (1)	2	<i>Renibacterium salmoninarum</i>	1	#L048, OD 0.080
<i>Rs</i> -DFAT (OF)	74 (1)	74	None	0	
<b>Parasites</b>					
PAS (Kd imp)	27 (1)	27	None	0	no Rosette Agent



**FISH HEALTH INSPECTION REPORT**

This report is NOT evidence of future disease status. To determine current status, contact inspecting biologist below.

Name of Fish Source: Coleman National Fish Hatchery		Address & Location of Fish Source: 24411 Coleman Fish Hatchery Rd. Anderson, CA 96007		Name of Owner <input type="checkbox"/>		or Manager: <input checked="" type="checkbox"/> John Rueth		Inspection Dates This 08/2002 Prior 08/2001 07/2000 8/1999 07/1998		Classification AS,RS,YR,IHN AS,RS,IHN AS,RS,IHN RS,IHN AS,RS,IHN	
FISH EXAMINED				Pathogens Inspected for and Results <sup>3</sup>							

Species <sup>1</sup>	Lot Number	Age <sup>2</sup>	Number In Lot	Obtained as Eggs(E) or Fish (F) FROM:	AS	YR	RS	MC	IHN	VHS	IPN	OMV	A	B
WCS	SRW-2002-Adult	B	100	(F): Sacramento River	+	+	+		+	-	-	-	+	-
					41	41	66		57	57	57	57	26	53
WCS	BML-2002-Adult	B	100	(F): Bodega Marine Lab Captive Broodstock	-	-	-		-	-	-	-		-
					32	32	89		96	96	96	96		31
WCS	LIV-2002-Adult	B	100	(F): Livingston Stone NFH Captive Broodstock			+		-	-	-	-		-
							73		58	58	58	58		27

Type of fish examined:

Hatchery       Feral

Salmonid       Non-salmonid

Type of Water Supply

Spring       Well

Stream       Impoundment

Enclosed       Free of fish

A = *Ceratomyxa shasta* by histological exam of intestine  
B = Rosette Agent by PAS stain of kidney imprint

Virology (IHN, VHS, IPN, OMV): Inoculation and a minimum of 15 days incubation on both EPC and CHSE-214 cell lines of ovarian fluid and cells AND/OR kidney samples from  individual fish,  2-4 fish pools,  5-10 fish pools. *Renibacterium salmoninarum* (RS) assayed by polyclonal antibody Direct Florescent Antibody Technique (DFAT) AND/OR enzyme linked immunosorbent assay (ELISA) of individual kidney tissue and confirmed by polymerase chain reaction (PCR). *Aeromonas salmonicida* (AS) and *Yersinia ruckeri* (YR) assayed by direct culture of tissue on appropriate media and biochemical tests.

**Remarks:**

Inspecting Biologist Signature  
*Ken Nichols*  
Ken Nichols      7-28-03

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Concurred (signature & title)  
*J. Scott Foott* 3/16/03  
J. Scott Foott (Project Leader)

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Inspecting Biologist Address  
California-Nevada Fish Health Center  
24411 Coleman Hatchery Road  
Anderson, CA 96007  
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1 - Use standard FWS abbreviations (see back of this page)  
2 - For hatchery fish give age in months: for feral fish use symbols e=eggs or fry; f=fingerling; y=yearlings; b=older fish.  
3 - See list of pathogen abbreviations on back of page; findings reported as number examined / results where - = negative and + = positive; other pathogens listed in remarks.