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FISH HEALTH MANAGEMENT
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ANNUAL PERFORMANCE REPORT

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ABSTRACT

This report contains a description of the activities of the Eagle Fish Health Laboratory (EFHL), operated by the Idaho Department of Fish and Game (Department), for the calendar year 1996. The primary charge of this program is to monitor, inspect, and improve the health of fish raised at 13 resident hatcheries, 11 anadromous hatcheries and satellites, and a facility, which rears ESA-listed captive salmon broodstocks. Results of these diagnostic cases are presented in the text by program and facility. The most significant pathogens encountered in the resident and anadromous programs were CWD, bacterial kidney disease, infectious hematopoietic necrosis virus, BGD, and furunculosis. A high prevalence of tumors and anomalies occurred in the sockeye salmon captive broodstocks. The Department fisheries managers, researchers, hatcheries, and EFHL pathologists utilized the newly completed wet laboratory during the year.

Wild salmonids were examined for the parasite, which causes whirling disease (WD) from all regions of the state. Cutthroat trout broodstocks from Henrys Lake in the Department Upper Snake River region was the only new occurrence this year. The Department initiated research to determine the impact of WD on wild salmonid populations in four drainages previously demonstrated positive for *Myxobolus cerebra/is.* The staffs of both the EFHL and Eagle Hatchery supported this research.

The EFHL staff remained active participants in regional and national fish health issues. This included administering the Investigational New Animal Drug program through the Western Regional INAD Program. Examples of additional liaison activities are included in the text.

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PERIOD COVERED BY THIS REPORT

Previous reports for the Fish Health Administration have covered activities performed during the period July 1 to June 30, Idaho Department of Fish and Game (Department) fiscal year. This format required considerable duplication of effort, since data are normally tabulated for the calendar year for each hatchery's annual report. Therefore, for efficiency in reporting for this Dingle-Johnson contract, the period of time is changed to reflect a calendar year tabulation of activities. Therefore, the period covered by this report is calendar year 1995.

FISH HEALTH MONITORING AND MANAGEMENT ACTIVITIES OF THE IDAHO DEPARTMENT OF FISH AND GAME

Resident Hatchery Activities

Fish Pathologist Burton, stationed at the Eagle Fish Health Laboratory (EFHL), services hatcheries which rear and plant resident species. His duties include collection of samples from diagnostic and inspection cases for 11 culture facilities and their associated captive and feral broodstocks; monitoring the diagnostic results; reporting results to hatchery management; recommendation and supervision of treatments; and preparation and maintenance of files for Investigational New Animal Drug (INAD) reporting through the Western Regional INAD Program for each station. Samples were also obtained as part of a survey of wild salmonids of Idaho waters for WD. These activities resulted in generating 148 laboratory accessions for the wild fish survey, 62 diagnostic, 65 inspection, and 21 research cases for the resident program. The specific results for these cases are included in Appendix 1 and are listed by Department region and for each fish culture facility. A brief summary of the results of 1995 activities for each resident station follows.

American Falls Hatchery

Systemic flavobacteriosis, cold water disease (CWD) in several strains of rainbow trout has continued as the only important disease detected at American Falls Fish Hatchery (AFFH). Some progress was made in 1995 toward reducing losses to this disease through use of less stressful culture practices, such as moving fry to outside raceways sooner to reduce crowding and through rapid diagnosis and feeding oxytetracycline (OTC)-medicated feeds at an elevated rate of antibiotic incorporation, which was permitted with INAD # 9332. The INAD treatment of CWD at higher dosage and for longer duration was successful.

Ashton Hatchery

Diagnoses of bacterial gill disease (BGD), *Gyrodactylus* and *Pseudomonas* were made at Ashton Fish Hatchery (AFH) during 1995. The former was successfully treated with Chloramine-T, under INAD #9321, while the external parasites were treated with formalin, under the existing label. This facility is fed through an open spring, which increases the potential for pathogens causing repeated problems. Enclosing the spring would improve the fish health status of this facility.

The proximity of AFH to river systems containing *M. cerebra/is* is a concern, both from the possibility of contamination via fish trucks and other equipment, and from the chance that the hatchery's open-water intake system could become contaminated. Serious consideration of options is needed to fully enclose the intake.

Cabinet Gorge Hatchery

Kokanee production at Cabinet Gorge Fish Hatchery (CGFH) comes primarily from egg-takes made at Sullivan Springs on Lake Pend Oreille. An experimental captive broodstock program was tried at this facility to investigate the feasibility of using this technology to supplement the wild egg takes.

Kokanee at this facility were successfully treated with Chloramine-T, under INAD #9321, for BGD. This disease and host combination has been a particularly regular occurrence at this facility due to design of the inside vats and the need to start fry on feed at reduced water temperatures. Continued experimentation with fish loading, feeding rates, delivery type and shading should be done to reduce this situation. The captive broodstock program for kokanee was discontinued due to extreme losses to bacterial kidney disease (BKD).

Personnel must remain cognizant of pathogens in the vicinity and take steps to keep contamination out of the hatchery. Improved management will continue to reduce the incidence of BGD. A baffle system was installed in a portion of the raceways, which seems to improve the water quality and reduce BGD in kokanee.

Clark Fork Hatchery

Infectious pancreatic necrosis virus (IPNV) and BKD continue as the leading causes of mortalities, which reach 50% at Clark Fork Fish Hatchery (CFFH). The cutthroat broodstock, free of BKD, was relocated to Sandpoint Hatchery. Subsequent production of fry will be done there until the fish are reared to a size less susceptible to IPNV. A further recommended improvement to CFFH would be to plumb the existing well to supply the hatchery building for early rearing. This would further reduce the effects of disease agents existing in the creek water supply and originating from the feral brook trout population.

Until major engineering changes can be made in the water intake system, CFFH will continue to have problems with IPNV and *Renibacterium salmoninarum (RS).* Development of an alternate broodstock source for cutthroat trout is in progress at Sandpoint Hatchery. Fish incubated and early reared at a clean facility and transferred to CFFH might be less susceptible to clinical disease from these pathogens.

Grace Hatchery

The *CWD* and BGD were the most frequently encountered disease conditions at Grace Fish Hatchery (GFH). Treatments for both were generally successful. *Renibacterium sa/moninarum* was detected by Enzyme-linked immunosorbant assay (ELISA), but failed to cause a disease state. Enclosing the spring water supply and constructing a bird exclosure would improve the fish health status at this site.

Improvements have been made to the spring intakes and to the pipelines. The next steps should be to adjust hatchery programs and management to improve conditions contributing to CWD and BGD.

Hagerman State Hatchery

Trout reared at Hagerman State Fish Hatchery (HFH) have routinely been affected by a succession of fish pathogens from incubation through release. The list of diseases may include BGD and *Ichthyoboda* as fry; CWD in fingerlings, which often proceeds directly to mortalities, due to infectious hematopoietic necrosis virus (IHNV). Catchable-sized trout also suffer losses to *Sanguinicola,* columnar disease, a gill bleeding syndrome and proliferative kidney disease. Partial success has been obtained in reducing losses through early treatments for *Ichthyoboda,* CWD, and BGD. These have shown to reduce the losses to subsequent IHNV infection, if applied early in the infectious process. Fry culture has been improved through implementation of better ponding and early rearing practices. Further improvements have been made through construction of bird exclusion structures and a rebuild of the Tucker Springs water delivery system. Most disease conditions still result from transmission throughout the HFH vicinity due to the magnitude and variety of fish culture activities and bird populations.

Future modifications are being planned to reduce vegetation and possible snails, which are the intermediate hosts for *Sanguinicola* in Riley Creek. Improved management options should also be considered, which should eliminate most sources of outside contamination.

Hayspur Hatchery

The Hayspur Fish Hatchery (HSFH) produced about nine million rainbow trout eggs for use throughout the resident Department hatchery program. Surveillance of the broodstocks for pathogens plays an important role to ensure pathogens are not transferred with the egg shipments. This also applies to the fish selected for broodstock replacements. This has paid off over the years, by eliminating IPNV and greatly reducing the prevalence of RS from the three rainbow trout broodstocks. Most of the inspection cases done this year have been directed to this effort.

Whirling disease resurged as a sociopolitical/biological/fishery management issue in Idaho during 1995. The impact to HSFH resulted in destruction of a broodstock population from the earthen pond and of some catchable trout when spores (but not disease) were detected. The concern to not amplify the disease into wild fish populations prompted the decision to destroy these populations. Subsequently, only waters, which have been demonstrated to have the disease agent present, were stocked with fish from HSFH. The catchable program was also discontinued at this facility. Extensive sampling for the disease agent in wild salmonid populations was also conducted and is reported under the heading Wild Fish Survey section.

Broodstock selection and culling of eggs, based on both ELISA and fluorescent antibody testing for RS, continues to be the priority at the HSFH. Brood populations and replacement fish are isolated in specific pathogen-free well water. General production has ceased due to the presence of *M. cerebralis* in the HSFH's earthen ponds and, presumably, in the open water source. Evaluations of *F. psychrophilum* carrier status in brood populations should be initiated.

A new pipeline, directing effluent water from the brood ponds to the head of the old large raceways, was installed. This provides second-use water free of *M. cerebralis* for use in holding fish for redistribution to the Big Wood River drainage.

Henrys Lake Hatchery

Eggs taken from spawning runs of cutthroat and brook trout at Henrys Lake Fish Hatchery (HLFH) are subsequently incubated at Ashton Fish Hatchery. Adults from each run were sampled for BKD, virus, and WD. Cutthroat samples were negative for viruses and, while some *Myxobolus* spores were detected in one of 12 pools by digest, confirmation through histology was not successful. Therefore, HLFH was considered negative for the WD parasite. About 90% of the ELISA samples for BKD antigen were graded low positive, but only three of 506 pools were positive by florescent antibody test (FAT). Eggs of the pools were discarded.

Adult brook trout were similarly sampled. Results were negative for viruses, *Myxobolus* spores were detected from 1/10 pools by digest, but not confirmed histologically, and ELISA values indicated 60% prevalence of the BKD antigen, but at a low level. Storage and shipping of samples to the EFHL needs to be improved for a more valid interpretation of these results, since bacteria multiply in samples and some cross-reaction with the ELISA test has been demonstrated. *Aeromonas salmonicida,* the causative agent of furunculosis, was not detected from these fish in 1995; however, the fact that it has been found in the past and there have been clinical outbreaks in resulting fry at Ashton Hatchery, means that the population must be considered positive.

The presence of RS, *A. salmonicida,* and *Myxobolus* species' spores in fish from HLFH require that the greatest care be taken to disinfect eggs and equipment that leave the facility.

Kootenai Hatchery

The Kootenai Tribe of Idaho operates Kootenai Fish Hatchery (KFH) and rears Endangered Species Act (ESA)-listed white sturgeon for release to the Kootenai River. Five wild adults were collected to form BY95 progeny as four lots. These were not sampled by the EFHL, but two of four lots were determined to be white sturgeon iridovirus positive by the fish health unit of the University of California at Davis. The Kootenai River White Sturgeon Recovery Team has determined not to release these lots until more is known about the interaction of the virus in cultured and wild populations. Pathologists at the EFHL cooperate in this program as advisors.

Mackay Hatchery

The only pathogen detected in two visits to the Mackey Fish Hatchery (MKFH) was the causative agent of CWD. No treatments were needed this year, since losses were minimal. The proximity of waters from which WD has been detected continues to pose a threat. The MKFH personnel must continue to be alert to the possibility of contamination from adjacent waters. Fish reared at MKFH has never had WD detected. Effective exclusion of birds and fish-eating mammals would relieve this situation and should be a high priority.

McCall Hatchery Resident Program

The Fish Lake cutthroat egg take at the McCall Fish Hatchery (MCFH) resulted in reduced eye-up rates in 1995 compared to previous years. A recommendation was made to examine transport procedures or delay fertilization until reaching MCFH. Examination of this broodstock revealed no viruses, but BKD enzyme-linked immunosorbent assay (ELISA) values were elevated in 60% of the spawners, including some in the moderate level. Consideration should be made to giving an Erythromycin treatment to the fry destined as returning broodstock.

The MCFH resident cutthroat program is based on a feral fish population, which routinely test positive for RS by ELISA. The progeny of these fish are destined for high mountain lake stocking. A policy decision on the cost effectiveness of a feral, diseased brood population versus a clean captive source must be made.

Nampa Hatchery

Encountered in rainbow and brown trout cultured at Nampa Fish Hatchery (NFH) was CWD, caused by F. *psychrophilum* and motile aeromonad septicemia (MAS). Oral therapy with OTC (under INAD # 9332 for CWD) has controlled these conditions and a concurrent infection by an unidentified possible cyanobacter, which has been previously found at this station. The ELISA sampled adult kokanee from Deadwood Reservoir for virus and BKD. These results were negative. Spores of a *Myxobolus* sp. were detected from this stock, but could not be confirmed by histology. These findings emphasize the need for a more sensitive conformation technique for WD. Completion of the bird netting has reduced inventory control problems at NFH.

Maintenance of the bird and animal exclusion structures and care in importing eggs from certified sources should be successful in maintaining healthy fish at NFH. Priority should be given to reducing CWD through both chemical therapy and hatchery management.

Sandpoint Hatchery

Inspections of Washoe cutthroat trout and Wolf Lodge Creek fall chinook broodstocks at Sandpoint Fish Hatchery (SFH) detected no evidence of virus. A single low ELISA sample for BKD was detected in the chinook. Early indications are that the move of the cutthroat broodstock to SFH will result in egg production free of BKD and IPNV.

A program to develop specific pathogen-free westslope cutthroat for mountain lakes has been implemented at SFH. The genetic quality of the stock used is questionable (very high percentage of deformities, limited number of ancestral pairs), but to date, no viruses or RS have been detected in the population.

Improvement in the egg take from these fish would justify replacement of cutthroat broodstock programs at both Clark Fork and McCall hatcheries.

Anadromous Hatcheries

The Department hatchery facilities and associated satellite release and adult capture stations for steelhead and chinook are funded through the Lower Snake River Compensation Plan (LSRCP) and Idaho Power Corporation contributions. A. Douglas Munson is the EFHL Fish Pathologist serving the fish health needs for these anadromous facilities. The annual summary of results for the hatcheries and satellite stations is presented in Appendix 1. In 1996, a total of 178 inspection and diagnostic cases were done by the EFHL for the Anadromous Fish Hatchery Program.

Clearwater Hatchery and Crooked River, Powell, and Red River Satellite Facilities

Clearwater Hatchery

The Clearwater Fish Hatchery (CFH) produces steelhead and chinook in conjunction with Crooked River, Powell, and Red River satellite facilities. A total of 58 inspection and diagnostic trips were made to these facilities. In 1996, disease conditions included BKD, CWD and MAS in juvenile chinook. Broodstock examinations detected IHNV in Dworshak National Fish Hatchery (DNFH) steelhead, in adult samples WHD was not confirmed.

The main hatchery production stocks were virtually free of pathogens during this past brood year (Appendix 1). Steelhead and chinook health was exceptional, as no pathogens were detected during most of 1996. Acute losses were not experienced and CFH was relatively disease free for the remainder of the rearing period. One OTC-medicated feed treatment was applied for MAS (in August).

Nutrition and container design may be limiting factors in the Captive Rearing Program at CFH. In general, the oldest captive brood fish at Clearwater were the least healthy.

Crooked River Satellite Facility

1994 Crooked River spring chinook, acclimated in the spring of 1995 at the Crooked River satellite, still had a very low prevalence of cataracts. The actual cause of these maladies has not been identified. Preliberation sampling found no pathogens for *R. salmoninarum,* viral samples and WD. Crooked River spring chinook BY93 were not positive via FAT, all pools were low positive via ELISA for RS. No other etiologic agents were detected during preliberation sampling.

There were no acute or chronic losses of fish at this facility. Fish at Crooked River appear to be very robust and healthy. It is important to monitor for the pathogens M. *cerebralis* and *R. salmoninarum* in wild and feral fish in Crooked River and its tributaries.

Powell Satellite Facility

No problems were found at Powell during summer acclimation. There was high silt during rain run-off from clear-cut areas and we are working with the Forest Service and logging companies to diminish silt. Only 66 fish were spawned with a low optical density; 1/4 RS found via ELISA technology; 0/20 DFAT virology; 0/20 WD. No problems were found at this facility.

Red River Satellite Facility

Accumulated fish were examined during and before release from the Red River facility. Testing results are 0/20 DFAT and 3/3 pools positive via ELISA testing, two with moderate and one with low optical densities. Red River did not have a fall release program this year. Only ten chinook were spawned at this facility that was ELISA positive; it was a low optical density.

Magic Valley Hatchery

Dworshak, East Fork, Pahsimeroi and Sawtooth steelhead stocks at Magic Valley Fish Hatchery (MVFH) required 29 inspection trips during 1996.

The MAS persists after the CWD episode in the 96 Dworshak steelhead B stocks. Two treatments for CWD were applied; the first was a standard 10-day 3.75 gld and the second was a 14-day treatment at 10 gld under the 96 Dworshak steelhead B INAD #9332, Permit 20554.

Fish health at MVFH has been good. No acute losses were experienced at the MVFH this year.

The organosomatic index revealed very robust fish, with plenty of stored energy (fat index of four). The IPNV was not isolated in 1996 from the MVFH. There were no signs of WD, nor was the parasite found at this hatchery. To curtail any chance of horizontal transmission of etiologic agents, a stringent program of disinfection should be continued at MVFH.

McCall Hatchery

A total of 12 inspection and diagnostic cases were processed from McCall Fish Hatchery (MCFH) during 1996.

This year was the first segregation program for BKD at the MCFH. It was epizootic in HBKD groups; however, mortality to BKD was limited to the HBKD group. There was a segregated release of 95 HBKD South Fork summer chinook implemented by transport and release of this HBKD group approximately two weeks after the last production group was released.

The most prevalent disease condition at MCFH has been BKD in juvenile chinook during the second winter of rearing. Intraperitoneal injections of females with erythromycin, combined with segregation rearing and two prophylactic erythromycin feedings of progeny, have reduced losses dramatically. Limited mortality to BKD occurred during December. No other disease agents cause problems at MCFH.

Benefits of the segregation program are that it is obvious that production fish were not exposed to RS horizontal infection. Fish health programs have been successful at MCFH. The MCFH would benefit from a BKD culling program. BKD high segregation groups should be reared at lower density be given better feed formulations, and longer and more frequent prophylactic treatments of erythromycin-medicated feed.

Niagara Springs Hatchery

Seventeen inspection or diagnostic trips were made to Niagara Springs Fish Hatchery (NSFH) during 1996 to examine Hells Canyon and Pahsimeroi steelhead stocks. The IHNV, CWD and furunculosis were responsible for mortality. Treatments for furunculosis with Romet 30 were done in September 1995.

The first portion of the rearing year was virtually disease free. During winter months, the bird-hazing sprayers were turned off due to freezing and the birds arrived on station.

In order to improve fish health at the NSFH, several impediments to fish culture must be corrected. The nursery rearing should be expanded and improved. The spring should be enclosed and the bridge over the spring sealed to keep spillage from fish transport trucks from contaminating the spring. Furthermore, a complete exclusion of piscivorous birds from the hatchery (by installing netting/wire) would be the best solution to the bird problem at NSFH.

Oxbow Hatchery

Ten inspections were made with Hells Canyon and Oxbow Fish Hatchery (OFH). A steelhead adults during the winter spawning season. Pathogens detected were RS and *Ceratomyxa shasta.* The latter infections in adults presumably result from exposure during the return migration.

Pahsimeroi Hatchery

Samples of steelhead and chinook from Pahsimeroi Fish Hatchery (PFH) resulted in 29 laboratory assessions for the EFHL.

Adult steelhead A strain and adult and juvenile summer chinook were sampled for pathogens. No evidence of virus was detected in any group. The RS could be detected by ELISA, but typically at low levels. WD is endemic to the drainage and juvenile chinook will become positive for WD when reared on river water. Clinical signs became apparent during the fall and winter months. The parasite was detected in adult steelhead, but not adult chinook.

Salmonids reared at PFH have been positive for WD for almost a decade and 1996 was no different. Half of the fish were early-reared at Sawtooth Hatchery to avoid early challenges of the parasite *M. cerebralis,* the causative agent of WD. Once the fish reached a minimum of seven cm, they were ponded at the upper facility at PFH. The other half of the fish were reared full term at PFH. All fish were mixed, with no differential markings.

Prophylactic treatments of erythromycin-medicated feed were administered twice, in accordance with PFH's INAD protocols. The RS was not found via DFAT methods. Pooled samples examined via ELISA methods were 4/4 positive via ELISA, low optical density.

Fish reared at early rearing facilities at the lower raceways at Pahsimeroi had chronic problems with Environmental Gill Disease, while those ponded at the upper facility experienced no loss to gill disease. Acute losses were not experienced at Pahsimeroi this year.

The PFH needs to improve the water source for both the lower and upper facilities. The rearing programs should utilize specific pathogen-free (SPF) water to avoid *M. cerebralis,* the causative agent of WD. To completely avoid the parasite, the dirt ponds at the upper facility should be replaced by concrete raceways, which would also reduce RS in PFH's stock. Attempts to locate a SPF water source for early rearing has produced a source which is gas (112%) supersaturated and can cause low chronic mortality and morbidity. Secondary invaders cause MAS and another source of chronic mortality. Precocious males die off after transport from Sawtooth.

Rapid River Hatchery

Seventeen inspection and diagnostic cases were made with samples from Rapid River Fish Hatchery (RRFH) during 1995.

Pathogens and diseases detected in juvenile spring chinook include RS by ELISA, EIBS in BY93 yearlings, CWD and spores of *Myxobolus* sp. Sampling of adults at spawning yielded two cases of IHNV and a moderate level of infection with BKD.

The RRFH had one of their best fish health years. "Fuzzy-tail", which has been a perennial problem at this hatchery was virtually non-existent. Pooled kidney samples, examined via ELISA

methods, had three of hour pools positive for the virus RS (all low titers) for preliberation samples. No fish were found to be positive for RS via FAT. *Flavobactor psychrophilus* was not found in routine examinations during random inspection sampling.

Erythrocytic inclusion body syndrome (EIBS) was found in the RRFH in 1995. Seventy percent of the fish examined were positive for the virus. Anemia was associated with this infection; however, no mortality could be attributed.

Spores of *Myxobolus* were detected, but a histopathology sample was not collected. Thus, M. cerebralis was not confirmed at this facility. Acute losses were not experienced at RRFH in 1995.

BKD culling and/or a segregation program should be implemented to maintain fundamental fish health conditions. Fish should also be fin clipped when water conditions are optimal concerning sediment load and temperature.

Sawtooth Hatchery

Twenty-three trips were made to check juvenile Sawtooth, East Fork, and Pahsimeroi chinook stocks and Pahsimeroi and Sawtooth steelhead stocks at the Sawtooth Fish Hatchery (STFH). In addition, samples were taken or obtained from adult East Fork Sawtooth steelhead and chinook. No evidence of virus resulted. While BKD antigen was detectable in adults of both species, clinical BKD did not cause loss in chinook this year. This may be due to more prolonged rearing on well water. This has also resulted in decreased detection of WD in chinook, since the river water supply has been demonstrated to be infectious WD positive.

Fish health at STFH was excellent for most of the 1993 Sawtooth spring chinook and 1993 East Fork spring chinook. As water temperatures fell in the autumn of 1994, both high BKD and low BKD segregation groups had epizootics of BKD. This is remarkable. It is the first epizootic of BKD in a low-BKD segregation group in a Department facility, which participated in a BKD-segregation program. Upon investigation, the second prophylactic feeding of erythromycin had not been applied to these fish. The medicated feed was ordered immediately and applied. Mortalities returned to normal by the onset of winter. As water temperatures started to rise in the spring of 1995, mortalities due to chronic DKB infections began to rise. No acute losses were experience at STFH this year. Losses due to BKD are classified as chronic.

Organosomatic indices of randomly collected fish were excellent. The FAT Index averaged 3.2 and the gills of these fish were in good condition. *M. cerebralis* was found in all groups. It will be very important to start rearing the chinook at STFH on well water. This includes full-term rearing on specific pathogen free (SPF) water. Expanding the well-water supply would also reduce incidence, intensity and prevalence of RS.

SOCKEYE AND CHINOOK CAPTIVE BROODSTOCK

The Department facilities at Eagle include both the EFHL and the Eagle Fish Hatchery (EFH), which is dedicated to rearing ESA-listed Redfish Lake sockeye salmon captive broodstock to maturity and the resulting progeny for release. This program began in 1991 and continues to the present. Kent Hauck serves as the pathologist for this program. A second experimental project of a similar nature was initiated in 1995 to include rearing ESA-listed chinook from collections of wild parr. The site selected for the freshwater rearing portion of this project was EFH, which shares grounds with

the EFHL. The marine site was the National Marine Fisheries Service's (NMFS) Manchester Marine Laboratory. Both the sockeye and chinook programs generate considerable case workload for the EFHL. Program activities for 1995 follow separately, by species.

Redfish Lake Sockeye Salmon Captive Broodstock

A total of 121 cases at EFHL were generated from five brood years of the sockeye broodstock program. Significant findings include documenting a high prevalence of lymphosarcoma tumors, the lack of BKD, indicating that quarantining efforts were successful, internal and external mycosis, nephrocalcinosis, and a undetermined condition which does not appear to have an infectious origin, but rather may be nutritional. Survival of the broodstocks has varied by the source of each broodstock, but has been acceptable to NMFS, which issues the annual propagation permit for these activities. Broodstocks, which were reared from wild smolts, have averaged 60% survival and about 30% maturity for females, compared to 80% survival for broodstocks, which were reared at EFH from fertilized eggs. The groups reared entirely in captivity have had a higher maturation success for females.

The BKD control efforts have been applied to broodstocks at both EFH and Manchester. The Department developed a management plan for rearing progeny, based on the ELISA optical density of kidney tissue of the female parent. Cut-off optical density values were employed to prevent the re-introduction of BKD positive eggs into EFH. Progeny of BKD positive females were reared at Oregon Department of Fish and Wildlife's (ODFW) Bonneville Fish Hatchery in 1995. Only progeny, which pass two screenings during 1995, will be returned to Idaho for release in 1996.

The EFHL staff participated in evaluation and documentation of atresia of ovaries. These data resulted in a policy, approved by NMFS, which allowed culling of brood fish remaining after two maturation cycles. This culling prevents dedication of hatchery space and water to fish, which would never produce viable gametes.

During the culture of sockeye progeny of the captive broodstocks, a much higher-than-normal occurrence of anomalies have been noted. The expression of anomalies such as Siamese twins, *Craniodidymous,* bi-headed fry, spinal curvatures, deformed or missing fins, and a pinched body condition were documented when groups were Passive Integrated Transponder (PIT) tagged at a size of seven grams. These anomalies occurred at a rate, which varied from 0.4 to 5%, depending on group origin. Several generalizations were made as a result of these examinations:

1. Anomalies were not detected from progeny of the anadromous, wild female, regardless if the males used to fertilize the eggs were of wild or captive origin.

2. Anomalies occurred at an equal frequency in egg groups incubated at water temperatures of 6° to 13° C.

3. There did not appear to be a difference in occurrence of anomalies between matings of parents in the diet trial, which started in 1994 and carried into the 1995-spawning season.

4. Anomalies did not seem related to inbreeding or out-crossing matings.

5. Anomalies were correlated to the rearing location, since they occurred at a much higher frequency in progeny of parents, which were reared at EFH, compared to those reared at the NMFS facility.

The proximity of the EFHL and the Redfish Lake Sockeye Salmon Captive Broodstock Program has resulted in benefit for both programs. This support has advanced the quality of fish culture of the ESA-listed broodstock.

Snake River Chinook Captive Rearing

This year marked the first collections made for Idaho ESA-listed spring chinook for an experiment to test the feasibility of raising chinook parr to maturity in fish culture facilities. Pathologists from the EFHL participated in the inception of this program and the writing of the fish health and culture criteria for the propagation permit with NMFS. During 1995, parr were collected from three river systems within the evolutionarily significant genetic unit of the species, converted to hatchery culture, and began rearing at Sawtooth Hatchery. The EFHL continued to participate in this program in the capacity of lending fish health support and in processing and storing samples for genetic analysis. These services are expected to increase in future years.

IDAHO WILD FISH SURVEY

Examinations of samples obtained from wild fish in the State of Idaho have been a role taken by the EFHL since the mid-1980's. The distribution of M. cerebralis and the impact of the parasite on wild and hatchery salmonid populations has been a concern of the Department since the 1985, when it was detected in trout which contracted the infection from Idaho waters. Efforts on wild fish sampling were increased during 1995 because of the negative impact of the WD parasite *M. cerebralis* experienced with some wild rainbow trout populations in Montana and Colorado. Sampling done during the last decade in Idaho documented a distribution, but there were also many drainages from which samples had not been obtained or that the samples could only be demonstrated to be "presumptive" for the parasite. The presumptive samples were those from which spores of a *Myxobolus* sp. were detected from the digest sample, but subsequent histological examination could not detect the presence of spores in bone or cartilage. These unconfirmed samples result from examining a more limited amount of tissue histologically and the presence of a species of *Myxobolus* other than M. *cerebralis* from salmonids in several Idaho drainages.

Consequently, the Department EFHL solicited samples of susceptible wild salmonids, emphasizing young age classes from regional fisheries managers and others that were collecting fish during sampling activities. For other purposes, some samples were specifically taken from areas, which had been previously designated, presumptively positive. Other sampling locations were selected based on stocking sites, which may have received positive rainbow trout, as the result of previous hatchery activities, by the Department or others. The number, age designation, and species of fish by river drainage from each sampling are presented by Department region in Appendix 1. Samples deemed positive were those which were confirmed histologically, as in the American Fisheries Society (AFS) Fish Health Section convention.

The Panhandle Region samples did not reveal any new positive locations, but did show positive samples from two drainages, the Coeur d' Alene and St. Joe rivers, which had been demonstrated to have positive wild salmonids previously. The brook trout sampled from Big Creek was demonstrating clinical signs of WD.

No positive fish were obtained from the Clearwater River drainage, although the American River rainbow trout sample tested presumptively positive. These data illustrate the need for further examination within this river system and a more sensitive surveillance technique.

A new location confirmed to have WD within drainages of the Southwest Region was the South Fork of the Boise River. This also included the first case of the parasite in mountain whitefish *Prosopium wiliamsoni.*

Emphasis was placed on sampling several river systems in the Magic Valley Region. The Big Wood River, Loving Creek below Hayspur Fish Hatchery, and select samples from Hayspur Hatchery were found to be positive. These locations were all previously confirmed positive sites in past year's samples. In order not to amplify the distribution and intensity of infection of parasite in wild fish, Hayspur Fish Hatchery destroyed the broodstock from the dirt-bottomed brood pond and the raceway of catchable-sized rainbow trout. The infection in catchables was first detected in 1990 for that water supply. To prevent the transmission of disease it was determined that the raceways and the dirt ponds be isolated from one another which was done.

We have not demonstrated the presence of the parasite in samples from drainages of our Southeast Region. The Utah Department of Natural Resource's fish pathology group has confirmed *M. cerebralis* from the Bear River, below that section which runs through Idaho. This fact will prompt additional samples from that river drainage.

There was considerable effort to obtain wild fish samples from river systems of Department's Upper Snake Region. Three new drainages were demonstrated to contain infected fish. These included the Little Lost, South Fork of the Snake and Teton rivers. One of these samples demonstrated for a second time that mountain whitefish could become naturally infected. The East Fork of the Big Lost River drainage was positive, which adds another tributary of the Big Lost River confirmed positive. Infected rainbow trout were found in the settling pond of Mackay Fish Hatchery, but no positive samples have ever been found from the hatchery populations. This demonstrates that utmost caution must be used at that hatchery to prevent contamination.

Previous sampling had demonstrated the presence of infected wild salmonids from the Upper Salmon River. Additional sampling done during 1995 extended the known range of occurrence of the parasite to include the East Fork Salmon River and Lemhi River. Again, whitefish were positive for *M. cerebralis.*

Several generalizations can be made from these extensions of our knowledge of WD in Idaho waters. Nearly all infections of wild salmonids would be classified as light infections without clinical disease signs. Our knowledge of the impact that these infections may have is severely lacking. There should be emphasis placed in assessing the potential impact that this parasite may have on the population structure, based on the experiences demonstrated by Montana and Colorado. The Department has made commitments to initiate these studies.

REPORTS

Reports include the annual resident fish hatcheries report for 1995 and the monthly LSRCP and disease summary reports. Presentations were given on the fish disease status in Idaho at the anadromous fish management meeting; at the Department hatchery managers meeting; and at the Pacific Northwest Fish Health Protection Committee (PNFHPC) semi-annual meeting. Videos were prepared for the public and EFHL, fishery and hatchery personnel on fish diseases and laboratory practices.

PAPERS GIVEN

Papers were given on the status of WD in Idaho at the Western Fish Disease Conference at Twin Falls, the Rocky Plains Fish Health Conference and the meeting of the WD Foundation Conference.

Presentations were also given at three meetings, which emphasized the fish culture, health and genetics of salmon captive broodstocks.

PRODUCTION STUDIES AND SURVEYS TO ENHANCE FISH HEALTH

Several studies have become increasingly important for implementation as fish disease data has been generated.

For several years, OTC injections have been given to brood rainbow trout at Hayspur Hatchery to inhibit possible vertical transmission of *F. psychrophilus,* which is a problem at hatcheries receiving eggs from Hayspur. The primary recipients of these eggs are American Falls, Grace, Nampa and Hagerman hatcheries. No control groups have been available to test the efficacy of these injections.

Beginning in 1993, an RS culling program, using a modified fluorescent antibody test (MFAT), was begun at Hayspur. It is hoped that this sensitive method will allow more adequate detection of RS at low levels in ovarian fluids, thereby reducing the transmission of RS to progeny. To date, this test has proven more sensitive than direct fluorescent antibody tests and approximately the same as ELISA; however, the results do not correlate well with ELISA.

Progeny from one Hayspur rainbow female that had high RS levels in kidney ELISA and progeny from one Hayspur rainbow female that had high RS levels in ovarian fluid (MFAT) were reared in the Eagle wet lab and tested periodically to evaluate vertical transmission of RS. *RS* was not detected in any of these test groups. A second group, consisting of progeny from one high ELISA female, is currently on hand.

Staff of the EFHL have cooperated during 1995 with cohorts in the fish health and fisheries management fields through the forum of the Pacific Northwest Fish Health Planning Council (California, Oregon, Washington, Montana, British Columbia, Alaska); Rock Plains Fish Health Committee (Arizona, Nebraska, Colorado, Nevada, Utah, New Mexico, North Dakota and South Dakota); membership in the American Fisheries Society, fish health section; cooperative ESA broodstock efforts (U. S. Fish and Wildlife Service, National Marine Fisheries Service, Shoshone-Bannock and Nez Perce tribes, Bonneville Power Administration); universities (University of Idaho, Washington State University, University of Washington, Oregon State University, University of California-Davis, University of British Columbia, Malaspine College, and the College of Southern Idaho); with the private aquaculture sector and Whirling Disease Foundation.

The EFHL staff has also worked in cooperation with other state and federal agency partners.

Keith A. Johnson co-authored a paper in the American Fisheries Society Symposium 15:81-90, 1995 entitled "Captive Broodstocks for Recovery of Snake River Sockeye Salmon" with Thomas A. Flagg and Conrad V. W. Mahnken of the National Marine Fisheries Service.

APPENDIX

Appendix 1.

FISH HEALTH SUMMARY REPORT 1995

Idaho Department of Fish and Game

Eagle Fish Health Laboratory

Report Date: 4/8/96

1/1/95 TO 12/31/95

BroodYr	Stock	Class Species	Log #	Sample Date	IHN	IPN	EIBS	BKD	FUR	ERM	CWD	PKD	WHD	CSH	ICH	EXAM TYPE	Diagnoses
1 PANHANDLE REGION		D															
WILD	BIG CREEK	BROOK TROUT	95-074A	1/31/95									+			WILD FISH	WHD; M CEREBRALIS 1/1 (LIGHT INFECTION), WORK BY USFWS, BOZEMAN
WILD	BIG CREEK	CUTTHROAT TROUT	95-074B	1/31/95									-			WILD FISH	NO PATHOGENS DETECTED; WHD 0/1
WILD	N F. COEUR D'ALENE	WHITEFISH	95-291	5/23/95									+			WILD FISH	M. CEREBRALIS, WHD 3/4, HISTO CONFIRMED WHIRLING DISEASE
WILD	N.F. COEUR D'ALENE	RAINBOW TROUT	95-293	6/7/95									-			WILD FISH	NO PATHOGENS DETECTED, WHD 0/18 - NO SPORES DETECTED BY EITHER DIGESTION OR HISTOLOGY
WILD	ST. JOE RIVER	CUTTHROAT TROUT	95-340	7/18/95				+					+			WILD FISH	RS, WHD, ELISA 13/13 (3 & 5 FISH POOLS) 4 LOW, 9 MOD, MYXOBOLUS CEREBRALIS 5/13(3 & 5 FISH POOLS), HISTO - WHD CONFIRMED
WILD	COEUR D'ALENE LAKE	FALL CHINOOK	95-342	7/10/95									-			WILD FISH	NO PATHOGENS DETECTED; WHD 0/1, HISTO - NO SPORES SEEN
BROOD	WOLF LODGE CREEK	FALL CHINOOK	95-421	9/11/95	-	-		-					-			INSPECTION	NO PATHOGENS DETECTED; ELISA 0/5, VIRO 0/5, WHD 0/5 NEGATIVE BY DIGEST OR HISTO
BROOD	WOLF LODGE CREEK	FALL CHINOOK	95-437	9/14/95	-	-		+					-			INSPECTION	RS, ELISA 1/5 LOW, VIRO 0/1, WHD 0/5
BROOD	WOLF LODGE CREEK	FALL CHINOOK	95-440	9/19/95	-	-		-					-			INSPECTION	NO PATHOGENS DETECTED; ELISA 0/7, WHD 0/7, VIRO 0/7
BROOD	WOLF LODGE CREEK	FALL CHINOOK	95-447	9/22/95	-	-		-					-			INSPECTION	NO PATHOGENS DETECTED, VIRO 0/6, ELISA 0/6, WHD 0/6, HISTO - NO SPORES SEEN
BROOD	WOLF LODGE CREEK	FALL CHINOOK	95-455	9/25/95	-	-		-					-			INSPECTION	NO PATHOGENS DETECTED; ELISA 0/6, VIRO 0/6, WHD 0/6, HISTO PENDING - NEGATIVE FOR MYXOBOLUS BY DIGESTION METHOD
BROOD	WOLF LODGE CREEK	FALL CHINOOK	95-459	9/28/95	-	-		-					-			INSPECTION	NO PATHOGENS DETECTED, ELISA 0/6, VIRO 0/6, WHD 0/6
2 CLEARWATER REGION		D															
WILD	CROOKED RIVER	SPRING CHINOOK	95-241	5/12/95				+					-			WILD FISH	RS, MYXOBOLUS SP. 4/7, SIMILAR SIZE/SHAPE AS M.CEREBRALIS NO SPORES DETECTED IN CARTILAGE, ELISA 1/1 (5-FISH POOL) LOW
WILD	RED RIVER	SPRING CHINOOK	95-243	5/12/95				+					-			WILD FISH	RS, ELISA 2/2 (5-FISH POOLS) 1 HIGH, 1 MOD, DFAT 0/6, WHD 0/16 SPORES ARE NOT CORRECT SIZE FOR M CERERBALIS
WILD	CROOKED RIVER	STEELHEAD, B GROUP	95-245	4/16/95				-					-			WILD FISH	NO PATHOGENS DETECTED, ELISA 0/1, WHD 0/1
WILD	CROOKED RIVER	WHITEFISH	95-247	4/16/95									-			WILD FISH	NO PATHOGENS DETECTED; WHD 0/2
1994	CLEARWATER RIVER	KOKANEE	95-275	5/22/95				+								WILD FISH	BKD; ELISA 2/4(5-FISH POOL) LOW, FA 0/18
1993	N. F. CLEARWATER	RAINBOW TROUT	95-276	5/25/95				-					-			WILD FISH	NO PATHOGENS DETECTED; WHD 0/2, FA 0/2, ELISA 0/2
1994	FISH CREEK	STEELHEAD, B GROUP	95-334	7/8/95				+					-			WILD FISH	RS; DFAT 0/10, WHD 0/10, ELISA 2/2 (5-FISH POOLS) HIGH, HISTO - MYXOBOLUS SPORES IN BRAIN, NOT CARTILAGE
WILD	DWORSHAK RESERVOIR	KOKANEE	95-341	7/27/95				+					-			WILD FISH	RS; WHD 0/7, ELISA 3/7 (2 LOW, 1 HIGH), HISTO - NO SPORES FOUND
1993	CROOKED RIVER	CHINOOK	95-431	8/29/95									-			WILD FISH	NO PATHOGENS DETECTED; WHD 0/19
WILD	CROOKED RIVER	CUTTHROAT TROUT	95-432	8/24/95									-			WILD FISH	NO PATHOGENS DETECTED, WHD 0/3
WILD	CROOKED RIVER	STEELHEAD, B GROUP	95-433	8/24/95									-			WILD FISH	NO PATHOGENS DETECTED, WHD 0/4
WILD	RAPID RIVER	BULL TROUT	95-485	10/11/95									-			WILD FISH	MYXOBOLUS SPP. (SPORES NOT FOUND IN CARTILAGE); WHD 0/9
WILD	SELWAY RIVER	RAINBOW TROUT	95-581	9/7/95									-			WILD FISH	NO PATHOGENS DETECTED; WHD 0/20
WILD	WHITEBIRD CREEK	RAINBOW TROUT	95-582	9/18/95									-			WILD FISH	OPEN CASE AWAITING HISTO; MYXOBOLUS SPP. 3/4
WILD	AMERICAN RIVER	RAINBOW TROUT	95-583	9/8/95									-			WILD FISH	AWAITING HISTO, WHD NOT CONFIRMED, MYXOBOLUS SPP. 2/4 (5-FISH POOLS)
3 SOUTHWEST REGION		D															
WILD	BOISE RIVER	RAINBOW TROUT	95-131	3/22/95									-			WILD FISH	NO PATHOGENS DETECTED; WHD 0/61

BroodYr	Stock	Class Species	Log #	Sample Date	IHN	IPN	EIBS	BKD	FUR	ERM	CWD	PKD	WHD	CSH	ICH	EXAM TYPE	Diagnoses
WILD	SOUTH FORK BOISE RIVER	WHITEFISH	95-149	4/4/95									+			WILD FISH	MYXOBOLUS CEREBRALIS CONFIRMED; MYXOBOLUS SPP 1/6(5 FISH)
WILD	SOUTH FORK BOISE RIVER	RAINBOW TROUT	95-150	4/5/95									+			WILD FISH	WHD, MYXOBOLUS CEREBRALIS CONFIRMED 1/12(5-FISH POOLS)
WILD	LUCKY PEAK RESERVOIR	RAINBOW TROUT	95-179	4/15/95									-			WILD FISH	NO PATHOGENS DETECTED, WHD 0/2
WILD	BROWNLEE RESERVOIR	CHANNEL CATFISH	95-223	4/27/95												WILD FISH	HEAVY INFESTATION BY ILLINOBDELLA SP (LEECH)
BROOD	FISH LAKE	CUTTHROAT TROUT	95-238	5/9/95	-	-		+					-	-		INSPECTION	RS, ELISA 27/30 (18 LOW, 9 MODERATE), DFAT 0/30, CSH 0/20, VIRO 0/30, WHD 0/30
1992	CASCADE RESERVOIR	BULLHEAD CATFISH	95-294	6/7/95												WILD FISH	CLINOSTOMUM (PRESUMPTIVE DIAGNOSIS)
WILD	MOUNTAIN VIEW RESERVOIR	RAINBOW TROUT	95-304	6/10/95									-			WILD FISH	NEGATIVE FOR WHIRLING DISEASE, WHD 0/1
WILD	GOLDEN LAKE	RAINBOW TROUT	95-335	7/22/95				+					-			WILD FISH	RS; ELISA 1/1 HIGH, FAT 0/1, WHD 0/1 (WHD NEGATIVE BY DIGEST AND HISTO)
WILD	TRAIL CREEK LAKES	CUTTHROAT TROUT	95-363	8/12/95				+					-			WILD FISH	RS, WHD 0/7, ELISA 7/7 (1 LOW, 6 MOD)
WILD	S.F. PAYETTE RIVER	RAINBOW TROUT	95-382	8/14/95									-			WILD FISH	MYXOBOLUS SP., 3/13 POOLS POSITIVE FOR HENNEGUYA SPP
WILD	N.F. PAYETTE RIVER	RAINBOW TROUT	95-407A	9/5/95									-			WILD FISH	NO PATHOGENS DETECTED, WHD 0/1, HISTO - NO SPORES SEEN
WILD	N.F. PAYETTE RIVER	WHITEFISH	95-407B	9/5/95									-			WILD FISH	NO PATHOGENS DETECTED, WHD 0/30, HISTO - NO SPORES SEEN
WILD	RAPID RIVER	RAINBOW TROUT	95-408	8/26/95									-			WILD FISH	NO PATHOGENS DETECTED; WHD 5/23
BROOD	DEAD WOOD RESERVOIR	KOKANEE	95-418	9/7/95	-	-		+					-	-		INSPECTION	RS, MYXOBOLUS SP., CSH 0/60, VIRO 0/60, MYXOBOLUS SP. 2/12 (5-FISH POOLS), ELISA 3/30 (1 LOW, 1 MOD, 1 HIGH)
WILD	YUBA RIVER	RAINBOW TROUT	95-434	9/14/95									-			WILD FISH	NO PATHOGENS DETECTED; WHD 0/37
WILD	BLACK WARRIOR CREEK	RAINBOW TROUT	95-435	9/14/95									-			WILD FISH	NO PATHOGENS DETECTED; WHD 0/43 NEGATIVE BY DIGESTION
WILD	BOULDER CREEK	RAINBOW TROUT	95-486A	10/13/95												WILD FISH	MYXOBOLUS CEREBRALIS NOT DETECTED IN DIGEST AND HISTOLOGICAL EXAM
WILD	LITTLE SALMON RIVER	RAINBOW TROUT	95-486B	10/13/95									-			WILD FISH	MYXOBOLUS SPP. FOUND IN BRAIN TISSUE, NOT FOUND IN CARTILAGE; WHD 0/19
WILD	BRUNEAU RIVER	RED BAND TROUT	95-491	10/18/95									-			WILD FISH	MYXOBOLUS SPP. FOUND IN BRAIN, WHD 0/34, HISTO - NO SPORES DETECTED IN CARTILAGE
WILD	LUCKY PEAK RESERVOIR	KOKANEE	95-511	8/14/95				-					-			WILD FISH	NO PATHOGENS DETECTED, ELISA 0/1, WHD 0/1, HISTO - NO SPORES DETECTED
	MANCHESTER POND, MCCALL	RAINBOW TROUT	95-552	10/18/95									-			INSPECTION	NO PATHOGENS DETECTED, WHD 0/17
	MANCHESTER POND, MCCALL	RAINBOW TROUT	95-553	11/7/95									-			INSPECTION	OPEN CASE AWAITING HISTO, WHD 0/6
4 MAGIC VALLEY REGION		D															
1994	DWORSHAK	STEELHEAD, B GROUP	95-082	3/6/95	-	-		-					-			INSPECTION	NO PATHOGENS DETECTED; WHD 0/20, ELISA 0/20, FA 0/20, VIRO 0/20, PRELIBERATION
WILD	LOVING CREEK	RAINBOW TROUT	95-117	3/21/95									-			WILD FISH	NO PATHOGENS DETECTED, WHD 0/13
WILD	LOVING CREEK	RAINBOW TROUT	95-143A	3/28/95									+			WILD FISH	MYXOBOLUS SP. 1/14 (5-FISH) BY DIGESTION METHOD (PRESUMPTIVE), HENNEGUYA
WILD	LOVING CREEK	BROWN TROUT	95-143B	3/28/95									-			WILD FISH	NO PATHOGENS DETECTED
WILD	STALKER CREEK	RAINBOW TROUT	95-144	3/28/95									-			WILD FISH	NO PATHOGENS DETECTED; MYXOBOLUS SP. 3/22 (5-FISH POOLS) POSITIVE FOR MYXOBOLUS SPECIES BY DIGESTION
WILD	WARM SPRINGS CREEK	RAINBOW TROUT	95-145	3/28/95									+			WILD FISH	WHD CONFIRMED BY HISTO; MYXOBOLUS CEREBRALIS 2/8 (5-FISH POOLS)
WILD	BIG WOOD RIVER	RAINBOW TROUT	95-146	3/28/95									+			WILD FISH	CONFIRMED WHD; MYXOBOLUS CEREBRALIS 1/7 (5-FISH POOLS) 16 SPORES/50 FIELDS
WILD	STALKER CREEK	RAINBOW TROUT	95-423	9/10/95									-			WILD FISH	MYXOBOLUS SP 2/12 (5-FISH POOLS), HISTO - NO SPORES FOUND
WILD	STALKER CREEK	BROWN TROUT	95-424	9/10/95									-			WILD FISH	NO PATHOGENS DETECTED, WHD 0/28
WILD	SILVER CREEK	BROWN TROUT	95-425A	9/6/95									-			WILD FISH	NO PATHOGENS DETECTED; WHD 0/2, HISTO - NO SPORES SEEN
WILD	SILVER CREEK	RAINBOW TROUT	95-425B	9/6/95									-			WILD FISH	NO PATHOGENS DETECTED, WHD 0/1, HISTO - NO SPORES DETECTED

BroodYr	Stock	Class Species	Log #	Sample Date	IHN	IPN	EIBS	BKD	FUR	ERM	CWD	PKD	WHD	CSH	ICH	EXAM TYPE	Diagnoses
WILD	BIG WOOD RIVER	WHITEFISH	95-458A	9/26/95									-			WILD FISH	NO PATHOGENS DETECTED; WHD 0/1, HISTO - NO SPORES SEEN
WILD	BIG WOOD RIVER	RAINBOW TROUT	95-458B	9/26/95									+			WILD FISH	HISTO CONFIRMED WHD; MYXOBOLUS CEREBRALIS 1/1 (5-FISH POOLS)
	DWORSHAK	STEELHEAD, B GROUP	95-471	10/3/95	-	-							-			INSPECTION	RS, ELISA 1/1 HIGH, VIRO 0/1, HISTO - NO SPORES SEEN
1995	ACE DEVELOPMENT	TILAPIA	95-557	11/8/95	-	-		-	-	-	-		-	-		CERTIFICATIO	NO PATHOGENS DETECTED; CSH 0/60, ELISA 7/12 (5-FISH POOLS), FAT 0/60, VIRO 0/60, WHD 0/60
5 SOUTHEAST REGION		D															
BROOD	YELLOWSTONE	CUTTHROAT TROUT	95-299	6/9/95	-	-		+					-			INSPECTION	RS; ELISA 1/2 MOD, VIRO 0/2, WHD 0/2
BROOD	YELLOWSTONE	CUTTHROAT TROUT	95-306	6/23/95	-	-		+					-			INSPECTION	RS; ELISA 1/1 LOW, WHD 0/1, VIRO 0/1
BROOD	YELLOWSTONE	CUTTHROAT TROUT	95-319	6/30/95	-	-		+					-			INSPECTION	RS; ELISA 2/2 LOW, WHD 0/2, VIRO 0/2
BROOD	YELLOWSTONE	CUTTHROAT TROUT	95-333	7/14/95	-	-		+					-			INSPECTION	RS, VIRO 0/1, ELISA 1/1 LOW, WHD 0/1
BROOD	YELLOWSTONE	CUTTHROAT TROUT	95-338	7/21/95	-	-		+					-			INSPECTION	RS, VIRO 0/8, ELISA 8/8 LOW, WHD 0/8
FERAL	BEAR RIVER	RAINBOW TROUT	95-462	9/25/95				+					-			WILD FISH	RS, ELISA 2/2 (1 LOW, 1 MOD), WHD 0/2, HISTO - NO SPORES SEEN
FERAL	CUB RIVER	RAINBOW TROUT	95-463	9/26/95				+					-			WILD FISH	RS, ELISA 1/1 LOW, WHD 0/1, NEGATIVE FOR WHIRLING DISEAE BY BOTH DIGESTION AND HISTOLOGY
6 UPPER SNAKE REGION		D															
WILD	HENRY'S LAKE	RAINBOW TROUT	95-028	1/18/95	-	-		+					-			WILD FISH	RS, VIRO 0/23, ELISA 11/11(1,3,4,& 5 FISH POOLS)LOW, FA 0/23, WHD 0/23
WILD	HENRY'S LAKE	RAINBOW TROUT	95-029	1/15/95	-	-		+					-			WILD FISH	RS, VIRO 0/23, FA 0/23, ELISA 7/7 POOLS(6 LOW, 1 MOD), WHD 0/23
WILD	SNAKE RIVER	BROWN TROUT	95-119	3/22/95	-	-		+					-			WILD FISH	RS, NEGATIVE FOR MYXOSOMAS(WHIRLING DISEASE), ELISA 1/1 MOD, FA 0/1, VIRO 0/1, WHD 0/1
WILD	LITTLE LOST RIVER	RAINBOW TROUT	95-502	10/12/95									+			WILD FISH	CONFIRMED WHD, M CEREBRALIS 5/5 (5-FISH POOLS)
WILD	SUMMIT CREEK	RAINBOW TROUT	95-503	10/12/95									-			WILD FISH	NO PATHOGENS DETECTED, WHD 0/62 - NO MYXOBOLUS SPORES DETECTED BY DIGEST METHOD
WILD	SUMMIT CREEK	BROOK TROUT	95-504	10/24/95									-			WILD FISH	NO SPORES DETECTED BY DIGEST OR HISTO; WHD 0/2
WILD	WET CREEK	RAINBOW TROUT	95-505	10/12/95									+			WILD FISH	CONFIRMED WHD BY HISTO; WHD 3/3 POOLS
WILD	SAWMILL CREEK	RAINBOW TROUT	95-506	10/12/95									+			WILD FISH	CONFIRMED WHD, M CEREBRALIS 3/8 (5-FISH POOLS) BY DIGESTION
WILD	SAWMILL CREEK	BROOK TROUT	95-507	10/12/95									-			WILD FISH	NO SPORES DETECTED; WHD 0/1
WILD	S.F. SNAKE RIVER	MOUNTAIN WHITEFISH	95-512	10/10/95									-			WILD FISH	NO PATHOGENS DETECTED, WHD 0/75, NO SPORES DETECTED IN DIGEST
WILD	S.F. SNAKE RIVER	BROWN TROUT	95-513	10/10/95									-			WILD FISH	NO PATHOGENS DETECTED; WHD 0/65 SPORES UNDETECTED IN DIGEST, HISTO -- CARTILAGE DAMAGE SUGGEST MYXOBOLUS ACTIVITY. FISH IN THESE WATERS SHOULD BE EXAMINED AGAIN AT A LATER DATE
WILD	PALISADES RESERVOIR	CUTTHROAT TROUT	95-514	9/19/95									-			WILD FISH	NO SPORES DETECTED BY HISTO OR DIGEST; WHD 0/67
WILD	PALISADES RESERVOIR	RAINBOW TROUT	95-515	9/19/95									+			WILD FISH	CONFIRMED WHD BY HISTO; MYXOBOLUS CEREBRALIS 5/14 (5-FISH POOLS)
WILD	S.F. SNAKE RIVER	RAINBOW X CUTTH HYBRID	95-517	9/24/95									-			WILD FISH	MYXOBOLUS SPP. 1/11 POOLS, (HISTO DID NOT CONFIRM WHD); WHD 0/53
WILD	S.F. SNAKE RIVER	MOUNTAIN WHITEFISH	95-518	9/19/95									-			WILD FISH	OPEN CASE, WHD 0/53
WILD	TETON RIVER	RAINBOW TROUT	95-519	10/1/95									+			WILD FISH	CONFIRMED WHD; WHD 7/7 (30,2 FISH POOLS)
WILD	TETON RIVER	RAINBOW TROUT	95-521	10/1/95									+			WILD FISH	CONFIRMED WHD BY HISTO; M.CEREBRALIS 3/4 (5 FISH POOLS)
WILD	S.F. SNAKE RIVER	BROOK TROUT	95-522	10/1/95									-			WILD FISH	MYXOBOLUS SPP.(HISTO DID NOT CONFIRM WHD); WHD 0/23
WILD	TETON RIVER	MOUNTAIN WHITEFISH	95-523	10/1/95									+			WILD FISH	CONFIRMED WHD; M.CEREBRALIS 1/13 (5 FISH POOLS)
WILD	TETON RIVER	CUTTHROAT TROUT	95-524	10/1/95									+			WILD FISH	WHD, MYXOBOLUS CEREBRALIS 13/13/(5-FISH POOLS)
WILD	EAST FORK BIG LOST RIVER	BROOK TROUT	95-525	8/25/95									-			WILD FISH	MYXOBOLUS SPP. 1/1 (4-FISH POOL), NO PSORES DETECTED - HISTO 0/4
WILD	EAST FORK BIG LOST RIVER	RAINBOW TROUT	95-526	8/25/95									+			WILD FISH	M CEREBRALIS CONFIRMED BY HISTO; WHD 1/2(3-FISH POOLS)
WILD	EAST FORK BIG LOST RIVER	MOUNTAIN WHITEFISH	95-527	8/25/95									-			WILD FISH	NO PATHOGENS DETECTED, WHD 0/5, HISTO 0/5- NO SPORES DETECTED

BroodYr	Stock	Class Species	Log #	Sample Date	IHN	IPN	EIBS	BKD	FUR	ERM	CWD	PKD	WHD	CSH	ICH	EXAM TYPE	Diagnoses
WILD	BIG LOST RIVER	RAINBOW TROUT	95-528	8/25/95									-			WILD FISH	NO PATHOGENS DETECTED; WHD 0/27
WILD	ANTELOPE CREEK	BROOK TROUT	95-529	8/25/95									-			WILD FISH	NO PATHOGENS DETECTED; HISTO 0/7, NO SPORES FOUND BY DIGESTION METHOD CORROBORATES HISTO PREVIOUSLY REPORTED WHD 0/7
WILD	EAST FORK BIG LOST RIVER	BROOK TROUT	95-530	8/25/95									+			WILD FISH	CONFIRMED WHD BY HISTO, MYXOBOLUS CEREBRALIS 3/3 (5-FISH POOLS)
WILD	EAST FORK BIG LOST RIVER	RAINBOW TROUT	95-531	8/24/95									+			WILD FISH	MYXOBOLUS CEREBRALIS CONFIRMED BY HISTOLOGY FROM 1 OF 4 FISH. CLINICAL SIGNS (RAREFIED CARTILAGE) ALSO OBSERVED
WILD	PALISADES RESERVOIR	FINE SPOT CUTTHROAT	95-532	5/21/95												WILD FISH	OPEN CASE AWAITING HISTO
WILD	ANTELOPE CREEK	BROOK TROUT	95-533	8/24/95												WILD FISH	OPEN CASE AWAITING HISTO
WILD	HENRY'S FORK	BROOK TROUT	95-534	8/24/95												WILD FISH	OPEN CASE AWAITING HISTO
WILD	ANTELOPE CREEK	RAINBOW TROUT	95-535	8/24/95												WILD FISH	OPEN CASE AWAITING HISTO
WILD	HORSETHIEF CREEK	BROOK TROUT	95-536	8/24/95												WILD FISH	OPEN CASE AWAITING HISTO
WILD	STAR HOPE CREEK	BROOK TROUT	95-537	8/24/95												WILD FISH	OPEN CASE AWAITING HISTO
WILD	HENRY'S FORK	RAINBOW TROUT	95-538	8/24/95												WILD FISH	OPEN CASE AWAITING HISTO
WILD	CHERRY CREEK	BROOK TROUT	95-555	8/24/95									-			WILD FISH	OPEN CASE AWAITING HISTO, MYXOBOLUS SPP. 5/6 (4-FISH POOLS),
WILD	CHERRY CREEK	RAINBOW TROUT	95-556	8/24/95												WILD FISH	OPEN CASE AWAITING HISTO; WHD NOT CONFIRMED PRESUMPTIVE
7 SALMON REGION		D															
WILD	LEMHI RIVER	RAINBOW TROUT	95-112	3/21/95									+			WILD FISH	CLINICAL WHIRLING DISEASE, WHD 3 SPORES/100 FIELDS (DIGEST) CONFIRMED WITH > 1400 SPORES PER SECTION
WILD	LAWSON CREEK	RAINBOW TROUT	95-113	3/21/95									+			WILD FISH	M CEREBRALIS, WHD 2/7 MYXOBOLUS SPORES, 2 SPORES/100 FIELDS
WILD	BIG HAT CREEK	RAINBOW TROUT	95-114	3/21/95									-			WILD FISH	NO PATHOGENS DETECTED, NO SPORES FOUND IN SAMPLE; WHD 0/6
WILD	UPPER SALMON RIVER	STEELHEAD, A GROUP	95-246	1/9/95				-					-			WILD FISH	NO PATHOGENS DETECTED; DFAT 0/1, WHD 0/1
WILD	UPPER SALMON RIVER	BULL TROUT	95-248	9/11/95				-					-			WILD FISH	NO PATHOGENS DETECTED; FA 0/1, WHD 0/1
WILD	HAWLEY CREEK	RAINBOW TROUT	95-249	3/21/95									+			WILD FISH	WHIRLING DISEASE 3/4 POOLS OF 16 FISH (2-8 SPORES/100 FIELDS)
WILD	WARM SPRINGS CREEK	RAINBOW TROUT	95-250	4/4/95									-			WILD FISH	MYXOBOLUS SP 2/2(3-FISH POOLS), NEGATIVE BY HISTO
WILD	RATTLE SNAKE CREEK	RAINBOW TROUT	95-251	4/4/95									-			WILD FISH	NEGATIVE FOR MYXOBOLUS SPORES BY DIGESTION METHOD; WHD 0/4
WILD	LEMHI RIVER	RAINBOW TROUT	95-252	5/12/95									+			WILD FISH	WHIRLING DISEASE CONFIRMED BY HISTO, 2/2 WHD POSITIVE
WILD	LEMHI RIVER	WHITEFISH	95-253	5/2/95									+			WILD FISH	CONFIRMED WHIRLING DISEASE; WHD 1/1 (HISTO)
WILD	LEMHI RIVER	RAINBOW TROUT	95-254	3/3/95									+			WILD FISH	WHIRLING DISEASE CONFIRMED BY HISTO, 1/1 POSITIVE WHD
WILD	INDIAN CREEK	RAINBOW TROUT	95-255	4/5/95									-			WILD FISH	NO PATHOGENS DETECTED; WHD 0/2
WILD	LEMHI RIVER	RAINBOW TROUT	95-256	5/2/95									+			WILD FISH	WHIRLING DISEASE CONMFIRMED BY HISTO; WHD 1/2
WILD	LEMHI RIVER	RAINBOW TROUT	95-257	5/2/95									+			WILD FISH	WHIRLING DISEASE CONFIRMED BY HISTO, WHD 1/1
WILD	CARMEN CREEK	RAINBOW TROUT	95-258	4/10/95									-			WILD FISH	NO PATHOGENS DETECTED, WHD 0/3, HISTO - NO SPORES DETECTED. SOME NECROSIS OF CARTILAGE DETECTED BY HISTOLOGY, POSSIBLY POSTMORTEM CHANGE.
WILD	COLSON CREEK	RAINBOW TROUT	95-259	3/1/95									-			WILD FISH	NO PATHOGENS DETECTED; WHD 0/14, NEGATIVE HISTO RESULTS
BROOD	YELLOW BELLY LAKE	CUTTHROAT TROUT	95-302	6/1/95				+					-			INSPECTION	RS, ELISA 4/5 LOW LEVELS; WHD 0/19
WILD	YELLOW BELLY LAKE	BROOK TROUT	95-303	6/2/95				+					-			WILD FISH	RS, ELISA 1/1 (3 FISH POOL) MODERATE, WHD 0/3
BROOD	YELLOW BELLY LAKE	CUTTHROAT TROUT	95-312	6/23/95	-	-										INSPECTION	NO PATHOGENS DETECTED; VIRO 0/16
WILD	CAPE HORN LAKE	BROOK TROUT	95-313	6/27/95				+					-			WILD FISH	RS, ELISA 3/3 POOLS (1 MOD, 2 HIGH), WHD 0/8
BROOD	YELLOW BELLY LAKE	CUTTHROAT TROUT	95-314	6/28/95	-	-										INSPECTION	NO PATHOGENS DETECTED; VIRO 0/6
WILD	SALMON RIVER	BROOK TROUT	95-371	8/11/95	-	-										WILD FISH	OPEN CASE AWAITING HISTO; VIRO 0/10, MYXOBOLUS SP 1/10
WILD	SALMON RIVER	CHINOOK	95-372	8/11/95				-					-			WILD FISH	NO PATHOGENS DETECTED; FA 0/1, HISTO - NO SPORES SEEN

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WILD	EAST FORK SALMON RIVER	BULL TROUT	95-378	8/11/95									-			WILD FISH	OPEN CASE AWAITING HISTO; WHD 0/1
WILD	EAST FORK SALMON RIVER	CUTTHROAT TROUT	95-379	5/1/95				+					-			WILD FISH	RS, ELISA 1/1 MODERATE, WHD 0/1
WILD	PAHSIMEROI RIVER	RAINBOW TROUT	95-380	8/24/95				+					-			WILD FISH	RS, R SALMONINARUM 1/1 HIGH, WHD 0/1
BROOD	MOOSE CREEK	KOKANEE	95-384	8/23/95	-	-										INSPECTION	NO PATHOGENS DETECTED, VIRO 0/35
BROOD	MOOSE CREEK	KOKANEE	95-388	8/25/95	-	-										INSPECTION	NO PATHOGENS DETECTED, VIRO 0/60
WILD	YANKEE FORK RIVER	SCULPINS	95-394A	8/31/95												WILD FISH	OPEN CASE AWAITING HISTO
WILD	YANKEE FORK RIVER	WHITEFISH	95-394B	8/31/95									-			WILD FISH	OPEN CASE, AWAITING HISTO
WILD	YANKEE FORK RIVER	STEELHEAD	95-395A	8/31/95									-			WILD FISH	OPEN CASE, AWAITING HISTO
WILD	YANKEE FORK RIVER	WHITEFISH	95-395B	8/31/95									-			WILD FISH	OPEN CASE, AWAITING HISTO
WILD	YANKEE FORK RIVER	SCULPINS	95-395C	8/31/95												WILD FISH	OPEN CASE AWAITING HISTO
WILD	JORDAN CREEK	CUTTHROAT TROUT	95-396A	8/31/95									-			WILD FISH	OPEN CASE, AWAITING HISTO
WILD	JORDAN CREEK	BULL TROUT	95-396B	8/31/95									-			WILD FISH	OPEN CASE, AWAITING HISTO
WILD	JORDAN CREEK	RAINBOW X CUTTH HYBRID	95-396C	8/31/95									-			WILD FISH	OPEN CASE, AWAITING HISTO
WILD	JORDAN CREEK	SCULPINS	95-396D	8/31/95												WILD FISH	OPEN CASE, AWAITING HISTO
WILD	JORDAN CREEK	SCULPINS	95-397A	8/31/95												WILD FISH	OPEN CASE AWAITING HISTO
WILD	JORDAN CREEK	STEELHEAD	95-397B	8/31/95									-			WILD FISH	OPEN CASE, AWAITING HISTO
WILD	UPPER THOMPSON CREEK	BULL TROUT	95-398A	8/31/95									-			WILD FISH	OPEN CASE, AWAITING HISTO
WILD	UPPER THOMPSON CREEK	CUTTHROAT TROUT	95-398B	8/31/95												WILD FISH	OPEN CASE AWAITING HISTO
WILD	UPPER THOMPSON CREEK	RAINBOW X CUTTH HYBRID	95-398C	8/31/95												WILD FISH	OPEN CASE AWAITING HISTO
WILD	LOWER THOMPSON CREEK	SCULPINS	95-399A	8/31/95												WILD FISH	OPEN CASE AWAITING HISTO
WILD	LOWER THOMPSON CREEK	STEELHEAD	95-399B	8/31/95									+			WILD FISH	OPEN CASE, AWAITING HISTO
BROOD	MOOSE CREEK	KOKANEE	95-401	8/31/95	-	-										INSPECTION	NO PATHOGENS DETECTED, VIRO 0/29
WILD	WEST FORK YANKEE FORK RIVER	STLHD X RNBT	95-442A	9/10/95												WILD FISH	OPEN CASE, AWAITING HISTO, WHD 0/16
WILD	WEST FORK YANKEE FORK RIVER	CHINOOK	95-442C	9/10/95												WILD FISH	OPEN CASE AWAITING HISTO; WHD 0/7
WILD	WEST FORK YANKEE FORK RIVER	WHITEFISH	95-442D	9/10/95												WILD FISH	OPEN CASE, AWAITING HISTO; WHD 0/1
WILD	EAST FORK SALMON RIVER	STEELHEAD, B GROUP	95-444A	9/20/95									+			WILD FISH	M CEREBRALIS CONFIRMED HISTOLOGICALLY, WHD 1/1 (5 FISH POOL)
WILD	EAST FORK SALMON RIVER	SPRING CHINOOK	95-444B	9/20/95									-			WILD FISH	NO PATHOGENS DETECTED, WHD 0/15
WILD	EAST FORK SALMON RIVER	WHITEFISH	95-444C	9/20/95									-			WILD FISH	NO PATHOGENS DETECTED; WHD 0/5
WILD	EAST FORK SALMON RIVER	SPRING CHINOOK	95-473A	9/23/95									-			WILD FISH	NO PATHOGENS DETECTED; WHD 0/2, HISTO - NO SPORES SEEN
WILD	EAST FORK SALMON RIVER	STEELHEAD, B GROUP	95-473B	9/23/95									+			WILD FISH	CONFIRMED WHD, MYXOBOLUS CEREBRALIS 1/2 POOLS
WILD	SALMON RIVER	WHITEFISH	95-481	1 ./5/95												WILD FISH	OPEN CASE
WILD	EAST FORK SALMON RIVER	BULL TROUT	95-482	8/31/95									-			WILD FISH	NEGATIVE FOR MYXOBOLUS (WHIRLING DISEASE) BY BOTH DIGESTION AND HISTOLOGY
AMERICAN FALLS HATCHERY		**A**															
1995	HAYSPUR	RAINBOW TROUT	95-129	3/27/95	-	-			-	-	-					INSPECTION	NO PATHOGENS DETECTED; BACTE NSG, VIRO 0/10
1995	HAYSPUR	RAINBOW TROUT	95-130	3/22/95	-	-			-	-	+					DIAGNOSTIC	CWD, F PSYCHROPHILUS 8/8, VIRO 0/10
1994	HAYSPUR	RAINBOW TROUT	95-174	4/13/95					-	-	+					DIAGNOSTIC	CWD, BACTEREMIA, F PSYCHROPHILUS 11/16, PS FLUOR 1/16
1995	HAYSPUR	RAINBOW TROUT	95-194	4/19/95	-	-			-	-	-					INSPECTION	NO PATHOGENS DETECTED; VIRO 0/60
1995	HAYSPUR	RAINBOW TROUT	95-281	5/30/95					-	-	-					INSPECTION	BACTEREMIA (MIXED PSEUDOMONAS, ENTEROBACTER, AEROMONAS) 1/8
1995	HAYSPUR	RAINBOW TROUT	95-287	6/6/95					-	-	+					DIAGNOSTIC	CWD (SYSTEMIC FLEXIBACTERIOSIS); FLEXIBACTER PSYCHROPHILUS 10/16
1995	TROUT LODGE	RAINBOW TROUT	95-307	6/19/95	-	-			-	-	-					INSPECTION	BACTEREMIA, VIRO 0/3, SERRATIA LIQUEFACIENS

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1995	TROUT LODGE	RAINBOW TROUT	95-347	8/1/95					-	-	+		-			DIAGNOSTIC	CWD, MULTIPLE BACTERMIA/SEPTICEMIA; WHD 0/12, FLEXIBACTER PSYCHROPHILUS 2/10, HAFNIA ALOVEI, AEROMONAS SP., ENTEROBACTER SP.
1995	TROUT LODGE	KAMLOOP RNBT	95-480	10/10/95	-	-			-	-	-					INSPECTION	NO PATHOGENS DETECTED; VIRO 0/60, BACTE NSG
ASHTON HATCHERY		B															
1992	COLORADO RIVER	RAINBOW TROUT	95-013	1/8/95	-	-		-	-	-	-					DIAGNOSTIC	BGD, GYRODACTYLUS(LOW); VIRO 0/10, ELISA 0/2, A SOBRIA/HYDROPHILA(HVY) 2/2 ON GILLS
1994	HENRY'S LAKE	BROOK TROUT	95-071	2/21/95	-	-			-	-	-					DIAGNOSTIC	PSEUDOMONAD BACTEREMIA, VIRO 0/10, PSEUDOMONAS SPP 3/4
1994	HAYSPUR	RAINBOW TROUT	95-072	2/21/95	-	-		-	-	-	-		-			INSPECTION	NO PATHOGENS DETECTED, VIRO 0/20, ELISA 0/20, BACTE NG 0/8, WHD 0/20
CABINET GORGE		C															
1995	SULLIVAN SPRINGS	KOKANEE	95-166	4/11/95	-	-			-	-	-					DIAGNOSTIC	BACTERIAL GILL DISEASE, VIRO 0/10, PSEUDOMONAS SP 4/8 ON GILLS
BROOD	SULLIVAN SPRINGS	KOKANEE	95-589	12/11/95				-								INSPECTION	OPEN CASE; F PSYCHRO 7/12, ELISA 0/60, FAT 0/60
BROOD	CLARK FORK RIVER	KOKANEE	95-590	12/12/95	-	-		-								INSPECTION	OPEN CASE, ELISA 0/60, FAT 0/60, PS FLUOR 3/12, F PSYCH 1/12, A HYDRO 4/12, VIRO 0/60
CLARK FORK HATCHERY		C															
1992	CLARK FORK RIVER	CUTTHROAT TROUT	95-265	5/15/95	-	-		+					-			INSPECTION	RS, ELISA 3/12/ (5 FISH POOLS) 2 LOW, 1 HIGH, DFAT 0/60,, VIRO 0/60
1991	CLARK FORK RIVER	CUTTHROAT TROUT	95-266	5/15/95	-	-										INSPECTION	NO PATHOGENS DETECTED, VIRO 0/60
CLEARWATER HATCHERY		C															
1993	RAPID RIVER	SPRING CHINOOK	95-011	1/5/95	-	-		-	-	-	-					DIAGNOSTIC	ALIMENTARY INTOXICATION(SUSPECT), BACTEREMIA(SECONDARY); FA 0/12, VIRO 0/15
1993	RAPID RIVER	SPRING CHINOOK	95-023	1/14/95	-	-		-	-	-	-					DIAGNOSTIC	NO PATHOGENS DETECTED, VIRO 0/15, FA 0/14, BACTE NSG
1993	RAPID RIVER	SPRING CHINOOK	95-024	1/14/95	-	-	-	-	-	-	-					DIAGNOSTIC	NO PATHOGENS DETECTED; VIRO 0/15, ELISA 0/15, EIBS 0/15, FA 0/15, BACTE NSG 0/12
1994	N. F. CLEARWATER	STEELHEAD, B GROUP	95-169	4/10/95	-	-		-								INSPECTION	NO PATHOGENS DETECTED; FA 0/20, ELISA 0/20, VIRO 0/20
1993	RED RIVER	SPRING CHINOOK	95-170	4/10/95	-	-		+								INSPECTION	RS, ELISA 2/4(5-FISH POOLS)LOW, FA 0/20, VIRO 0/20, DFAT 0/20
1994	N. F. CLEARWATER	STEELHEAD, B GROUP	95-277	5/25/95				+					-			INSPECTION	RS; ELISA 2/2 POOLS, WHD 0/5, FA 0/9
BROOD	SELWAY RIVER	SPRING CHINOOK	95-350	8/3/95				+								INSPECTION	RS, ELISA 2/7 (2,& 4 FISH POOLS) LOW
BROOD	SELWAY RIVER	SUMMER CHINOOK	95-413	7/25/95	-	-		+					-			INSPECTION	R S ; VIRO 0/3, ELISA 25/29 (10 HIGH, 3 MOD, 12 LOW), WHD 0/18
BROOD	SELWAY RIVER	SPRING CHINOOK	95-419	9/7/95	-	-		+								INSPECTION	R S ; ELISA 5/8 (4 HIGH, 1 LOW, VIRO 0/1
BROOD	SELWAY RIVER	SPRING CHINOOK	95-428	9/14/95	-	-		-								INSPECTION	OPEN CASE; ELISA 0/2, VIRO 0/2
1995	ENNIS	RAINBOW TROUT	95-567	11/22/95									-			DIAGNOSTIC	NO PATHOGENS DETECTED, WHD 0/14, NEGATIVE HISTO RESULTS
19995	ENNIS	RAINBOW TROUT	95-571	12/4/95	-	-		-	-	-	-					DIAGNOSTIC	PSEUDOMONADS OPPORTUNISTIC PATHOGENS; VIRO 0/10, FAT 0/10, PSEUDOMONAD 4/4
1994	N. F. CLEARWATER	STEELHEAD, B GROUP	95-572	12/4/95					-	-	-					INSPECTION	NO PATHOGENS DETECTED, VIRO 0/4, BACTE NSG
BROOD	SELWAY RIVER	SPRING CHINOOK	95-573	12/5/95									-			INSPECTION	NO PATHOGENS DETECTED, WHD 0/45
1994	RED RIVER	SPRING CHINOOK	95-592	12/18/95												INSPECTION	OPEN CASE
1994	CROOKED RIVER	SPRING CHINOOK	95-593	12/18/95				-								INSPECTION	OPEN CASE
1994	POWELL	SPRING CHINOOK	95-594	12/18/95	-	-		-	-	-	-					INSPECTION	NO PATHOGENS DETECTED, VIRO 0/10, FAT 0/10, BACTE NSG
FERAL	CLEARWATER SETTLING POND	CHINOOK	95-595	12/18/95	-	-							-			INSPECTION	NO PATHOGENS DETECTED, VIRO 0/3, WHD 0/3
FERAL	CLEARWATER SETTLING POND	RAINBOW TROUT	95-596	12/18/95	-	-		+					-			INSPECTION	RS, VIRO 0/19, ELISA 15/19 LOW, WHD 0/19
WILD	WALTON CREEK	CUTTHROAT TROUT	96-026	8/24/95									-			WILD FISH	NO PATHOGENS DETECTED; WHD 0/13
CROOKED RIVER		C															
1993	CROOKED RIVER	SPRING CHINOOK	95-167	4/8/95	-	-		-					-			INSPECTION	NO PATHOGENS DETECTED; FA 0/20, ELISA 0/20, VIRO 0/20, WHD 0/20, PRELIBERATION - APPEAR TO BE SMOLTING
1993	CROOKED RIVER	SPRING CHINOOK	95-240	5/12/95				+					-			INSPECTION	RS, ELISA 14/32(4 FISH POOLS) ALL LOW, WHD 0/60

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1993	CROOKED RIVER	STEELHEAD, B GROUP	95-244	5/2/95				+					-			INSPECTION	RS; ELISA 1/1/(4-FISH POOLS) MOD, WHD 0/4
BROOD	CROOKED RIVER	SPRING CHINOOK	95-420	9/6/95				+								INSPECTION	R S , ELISA 2/5 LOW
DWORSHAK NFH		C															
BROOD	N. F. CLEARWATER	STEELHEAD, B GROUP	95-116	3/21/95	-	-										INSPECTION	NO PATHOGENS DETECTED; VIRO 0/40 (BROODSTOCK FOR STEELHEAD PROGRAM AT CLEARWATER HATCHERY)
BROOD	N. F. CLEARWATER	STEELHEAD, B GROUP	95-134	3/28/95	-	-										INSPECTION	NO PATHOGENS DETECTED; VIRO 0/40 (BROODSTOCK FOR STEELHEAD PROGRAM AT CLEARWATER HATCHERY)
BROOD	N. F. CLEARWATER	STEELHEAD, B GROUP	95-151	4/4/95	+	-										INSPECTION	IHNV, IHN 6/40, IPN 0/40 (BROODSTOCK FOR STEELHEAD PROGRAM AT CLEARWATER)
BROOD	N. F. CLEARWATER	STEELHEAD, B GROUP	95-171	4/11/95	-	-										INSPECTION	NO PATHOGENS DETECTED, VIRO 0/1 (BROODSTOCK FOR STEELHEAD PROGRAM AT CLEARWATER HATCHERY)
BROOD	N. F. CLEARWATER	STEELHEAD, B GROUP	95-192	4/14/95	-	-										INSPECTION	NO PATHOGENS DETECTED; VIRO 0/3 (BROODSTOCK FOR STEELHEAD PROGRAM AT CLEARWATER HATCHERY)
BROOD	N. F. CLEARWATER	STEELHEAD, B GROUP	95-210	4/24/95	-	-										INSPECTION	NO PATHOGENS DETECTED, VIRO 0/3 (BROODSTOCK FOR STEELHEAD PROGRAM AT CLEARWATER HATCHERY)
BROOD	N. F. CLEARWATER	STEELHEAD, B GROUP	95-211	4/24/95	-	-										INSPECTION	NO PATHOGENS DETECTED, VIRO 0/1 (BROODSTOCK FOR STEELHEAD PROGRAM AT CLEARWATER HATCHERY)
BROOD	N. F. CLEARWATER	STEELHEAD, B GROUP	95-226	4/28/95	-	-										INSPECTION	NO PATHOGENS DETECTED, VIRO 0/1 (BROODSTOCK FOR STEELHEAD PROGRAM AT CLEARWATER HATCHERY)
BROOD	N. F. CLEARWATER	STEELHEAD, B GROUP	95-227	4/27/95	-	-										INSPECTION	NO PATHOGENS DETECTED, VIRO 0/8 (BROODSTOCK FOR STEELHEAD PROGRAM AT CLEARWATER HATCHERY)
BROOD	N. F. CLEARWATER	STEELHEAD, B GROUP	95-229	5/1/95	-	-										INSPECTION	NO PATHOGENS DETECTED; VIRO 0/1 (BROODSTOCK FOR STEELHEAD PROGRAM AT CLEARWATER HATCHERY)
BROOD	N. F. CLEARWATER	STEELHEAD, B GROUP	95-230	5/1/95	-	-										INSPECTION	NO PATHOGENS DETECTED, VIRO 0/3 (BROODSTOCK FOR STEELHEAD PROGRAM AT CLEARWATER HATCHERY)
BROOD	N. F. CLEARWATER	STEELHEAD, B GROUP	95-231	5/3/95	+	-										INSPECTION	IHN, IPN 0/8, IHNV 3/8 (BROODSTOCK FOR STEELHEAD PROGRAM AT CLEARWATER HATCHERY)
BROOD	N. F. CLEARWATER	SPRING CHINOOK	95-456	9/25/95	-	-		+								INSPECTION	RS, VIRO 0/1, ELISA 0/13 (BROODSTOCK FOR STEELHEAD PROGRAM AT CLEARWATER HATCHERY)
EAGLE HATCHERY		D															
ANBY93	RED FISH LAKE	SOCKEYE SALMON	95-003	1/3/95				+								DIAGNOSTIC	RS, ELISA 1/1 LOW, FA 0/1
BY91	RED FISH LAKE	SOCKEYE SALMON	95-004	1/3/95				+								DIAGNOSTIC	RS, GENERAL MYCOSIS (EXTERNAL); ELISA 1/1 LOW, FA 0/1
BY91	RED FISH LAKE	SOCKEYE SALMON	95-008	1/5/95					-	-	-		-			DIAGNOSTIC	RHODOTORULA SP.(PRESUMPTIVE); WHD 0/1, BACTE NSG 0/1
BY91	RED FISH LAKE	SOCKEYE SALMON	95-012	1/8/95				+								DIAGNOSTIC	R S , ELISA 1/1 LOW
OM91	RED FISH LAKE	SOCKEYE SALMON	95-014	1/9/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED, ELISA 0/1, FA 0/1
ANBY93	RED FISH LAKE	SOCKEYE SALMON	95-022	1/14/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED, ELISA 0/2
ANBY93	RED FISH LAKE	SOCKEYE SALMON	95-030	1/21/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED; ELISA 0/1, FA 0/1
OM91	RED FISH LAKE	SOCKEYE SALMON	95-031	1/24/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED; ELISA 0/1, FA 0/1
OM91	RED FISH LAKE	SOCKEYE SALMON	95-036	1/26/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED; ELISA 0/1, FA 0/1
BY94	RED FISH LAKE	SOCKEYE SALMON	95-040	1/30/95	-	-										DIAGNOSTIC	NO PATHOGENS DETECTED; VIRO 0/20
OM91	RED FISH LAKE	SOCKEYE SALMON	95-052	2/2/95				-								DIAGNOSTIC	GILL MYCOSIS, NEGATIVE FOR PATHOGENS; FA 0/1, ELISA 0/1
OM91	RED FISH LAKE	SOCKEYE SALMON	95-058	2/4/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED; FA 0/1, ELISA 0/1
OM91	RED FISH LAKE	SOCKEYE SALMON	95-059	2/8/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED; ELISA 0/1, FA 0/1
OM91	RED FISH LAKE	SOCKEYE SALMON	95-061	2/10/95				-								DIAGNOSTIC	GILL MYCOSIS, NEGATIVE FOR RS; ELISA 0/1
BY91	RED FISH LAKE	SOCKEYE SALMON	95-075	2/25/95				+								DIAGNOSTIC	RS, ELISA 1/1 LOW
BY93	RED FISH LAKE	SOCKEYE SALMON	95-080	3/3/95				-	-	-	-					DIAGNOSTIC	UNDETERMINED ETIOLOGY; FA 0/5, ELISA 0/5, HAFNIA 1/1, PENICILLIUM FUNGUS
BY91	RED FISH LAKE	SOCKEYE SALMON	95-081	3/3/95				-	-	-	-					DIAGNOSTIC	NO PATHOGENS DETECTED; ELISA 0/1, FA 0/1, BACTE 0/1 NG
OM92	RED FISH LAKE	SOCKEYE SALMON	95-088	3/9/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED; FA 0/1, ELISA 0/1
BY91	RED FISH LAKE	SOCKEYE SALMON	95-089	3/11/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED; FA 0/1, ELISA 0/1
REBY92	RED FISH LAKE	SOCKEYE SALMON	95-090	3/11/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED; FA 0/1, ELISA 0/1
OM92	RED FISH LAKE	SOCKEYE SALMON	95-091	3/12/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED; FA 0/1, ELISA 0/1
BY91	RED FISH LAKE	SOCKEYE SALMON	95-097	3/16/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED; FA 0/2, ELISA 0/3

BroodYr	Stock	Class / Species	Log #	Sample Date	IHN	IPN	EIBS	BKD	FUR	ERM	CWD	PKD	WHD	CSH	ICH	EXAM TYPE	Diagnoses
OM92	RED FISH LAKE	SOCKEYE SALMON	95-106	3/19/95				+								DIAGNOSTIC	RS; FA 0/1, ELISA 1/1 LOW
OM91	RED FISH LAKE	SOCKEYE SALMON	95-118	3/23/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED, ELISA 0/1, FA 0/1
BY94	RED FISH LAKE	SOCKEYE SALMON	95-121	3/23/95												RESEARCH	EXTENSIVE COAGULATED YOLK
BY91	RED FISH LAKE	SOCKEYE SALMON	95-122	3/24/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED, ELISA 0/1
OM91	RED FISH LAKE	SOCKEYE SALMON	95-126	3/26/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED, GILL MYCOSIS; FA 0/1, ELISA 0/1
OM92	RED FISH LAKE	SOCKEYE SALMON	95-127	3/27/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED, FA 0/1, ELISA 0/1
OM92	RED FISH LAKE	SOCKEYE SALMON	95-133	3/29/95				-								DIAGNOSTIC	PRESUMPTIVE NEPHROCALCINOSIS, FA 0/1, ELISA 0/1
OM92	RED FISH LAKE	SOCKEYE SALMON	95-138	3/29/95				+								DIAGNOSTIC	POSITIVE RS(LOW), NEPHROCALCINOSIS, FA 0/1, ELISA 1/1 LOW
OM92	RED FISH LAKE	SOCKEYE SALMON	95-140	4/1/95				-								DIAGNOSTIC	NEGATIVE FOR RS, FA 0/1
OM92	RED FISH LAKE	SOCKEYE SALMON	95-141	4/2/95				-								DIAGNOSTIC	UNDETERMINED ETIOLOGY; FA 0/1
OM92	RED FISH LAKE	SOCKEYE SALMON	95-142	4/3/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED, ELISA 0/1
OM92	RED FISH LAKE	SOCKEYE SALMON	95-152	4/6/95				-								DIAGNOSTIC	GILL AND TAIL MYCOSIS, ELISA 0/1
BY93 5	RED FISH LAKE	SOCKEYE SALMON	95-153	4/6/95					-	-	-					DIAGNOSTIC	UNDETERMINED ETIOLOGY
OM92	RED FISH LAKE	SOCKEYE SALMON	95-154	4/10/95				-								DIAGNOSTIC	NEPHROCALCINOSIS, ELISA 0/1
BY91	RED FISH LAKE	SOCKEYE SALMON	95-157	4/11/95				-								DIAGNOSTIC	HEAD MYCOSIS; ELISA 0/1
BY91	RED FISH LAKE	SOCKEYE SALMON	95-161	4/12/95				-								DIAGNOSTIC	LYMPHOSARCOMA, NEGATIVE FOR RS; ELISA, 0/1, FA 0/1
OM91	RED FISH LAKE	SOCKEYE SALMON	95-172	4/13/95				-								DIAGNOSTIC	HEAD MYCOSIS, ELISA 0/1
BY93 5	RED FISH LAKE	SOCKEYE SALMON	95-200	4/20/95												DIAGNOSTIC	HISTO RESULTS: COLLECTED/CUT TISSUE LACKED THE AREA WHERE THE FIN INSERTION SHOULD HAVE BEEN EXAMINED BLOCK FOR MORE TISSUE -- NOT PRESENT NO CONCLUSIONS REACHED
OM92	RED FISH LAKE	SOCKEYE SALMON	95-203	4/22/95				+								DIAGNOSTIC	R S ; ELISA 1/2 LOW
OM92	RED FISH LAKE	SOCKEYE SALMON	95-204	4/25/95				+								DIAGNOSTIC	RS, MECHANICAL TRAUMA; ELISA 1/1(LOW 0.1070)
ANBY93	RED FISH LAKE	SOCKEYE SALMON	95-205	4/23/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED; ELISA 0/1
ANBY93	RED FISH LAKE	SOCKEYE SALMON	95-206	4/24/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED; ELISA 0/2
ANBY93	RED FISH LAKE	SOCKEYE SALMON	95-221	4/29/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED; ELISA 0/1
BY94	RED FISH LAKE	SOCKEYE SALMON	95-224	5/2/95				-	-	-	-					DIAGNOSTIC	MECHANICAL ABRASIONS, GBD, LOMA PARASITISM, BACTEREMIA; FA 0/5, AEROMONAS HYRDROPHILA 3/5, PSEUDOMONAS PAUCIMOBILIS 2/5
OM91; BY93	RED FISH LAKE	SOCKEYE SALMON	95-225	5/3/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED; ELISA 0/1
OM92	RED FISH LAKE	SOCKEYE SALMON	95-234	5/5/95				-								DIAGNOSTIC	GILL MYCOSIS, NEPHROCALCINOSIS, BLINDNESS, NEGATIVE FOR R S ; ELISA 0/1
OM92	RED FISH LAKE	SOCKEYE SALMON	95-235	5/7/95				-								DIAGNOSTIC	GBD; BILE CONGESTION, ELISA 0/1
ANBY93	RED FISH LAKE	SOCKEYE SALMON	95-261	5/13/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED, ELISA 0/2, FA 0/2
OM91	RED FISH LAKE	SOCKEYE SALMON	95-262	5/15/95				-								DIAGNOSTIC	UNDETERMINED ETIOLOGY, FA 0/1, ELISA 0/1
OM91	RED FISH LAKE	SOCKEYE SALMON	95-270	5/19/95				-								DIAGNOSTIC	UNDETERMINED ETIOLOGY; ELISA 0/1, FA 0/1
BY91	RED FISH LAKE	SOCKEYE SALMON	95-271	5/20/95				+								DIAGNOSTIC	GENERAL MYCOSIS, R S ; ELISA 1/1 LOW
BY91	RED FISH LAKE	SOCKEYE SALMON	95-278	5/27/95				-								DIAGNOSTIC	GENERAL MYCOSIS, ELISA 0/1
BY91	RED FISH LAKE	SOCKEYE SALMON	95-279	5/28/95				-								DIAGNOSTIC	GENERAL MYCOSIS, ELISA 0/1
ANBY93	RED FISH LAKE	SOCKEYE SALMON	95-280	5/29/95				-								DIAGNOSTIC	UNDETERMINED ETIOLOGY; ELISA 0/1
BY91	RED FISH LAKE	SOCKEYE SALMON	95-283	5/31/95				-								DIAGNOSTIC	UNDETERMINED ETIOLOGY; ELISA 0/1
OM92	RED FISH LAKE	SOCKEYE SALMON	95-285	6/4/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED; ELISA 0/1
BY91	RED FISH LAKE	SOCKEYE SALMON	95-286	6/4/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED; ELISA 0/1
ANBY93	RED FISH LAKE	SOCKEYE SALMON	95-288	6/9/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED; ELISA 0/1
BY91	RED FISH LAKE	SOCKEYE SALMON	95-289	6/11/95				+								DIAGNOSTIC	RS, MYCOSIS, UNDETERMINED ETIOLOGY; ELISA 1/2 LOW
BY94	RED FISH LAKE	SOCKEYE SALMON	95-290	6/12/95				-	-	-	+					DIAGNOSTIC	MIXED BACTEREMIA, F.PSYCHROPHILUS, GBD, ELISA 0/4, CWD 2/4
OM91	RED FISH LAKE	SOCKEYE SALMON	95-295	6/13/95				-								DIAGNOSTIC	UNDETERMINED ETIOLOGY, ELISA 0/1
OM91	RED FISH LAKE	SOCKEYE SALMON	95-305	6/18/95				-								DIAGNOSTIC	UNDETERMINED ETIOLOGY; ELISA 0/1
BY94	RED FISH LAKE	SOCKEYE SALMON	95-308	6/20/95				+								DIAGNOSTIC	BKD, ELISA 15/46 (13 LOW, 2 MOD) 5-FISH POOLS

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BY91	RED FISH LAKE	SOCKEYE SALMON	95-309	6/21/95				-								DIAGNOSTIC	SECONDARY MYCOSIS; ELISA 0/1
OM91	RED FISH LAKE	SOCKEYE SALMON	95-315	7/2/95				-								DIAGNOSTIC	EXTENSIVE LIVER MYCOSIS, ELISA 0/1
BY94	RED FISH LAKE	SOCKEYE SALMON	95-316	7/3/95					-	-	-					DIAGNOSTIC	UNDETERMINED ETIOLOGY, SUSPECT STRESS A FACTOR, NO BACTERIAL GROWTH
OM91	RED FISH LAKE	SOCKEYE SALMON	95-317	7/3/95				-	-	-	-					DIAGNOSTIC	SYSTEMIC MYCOSIS (FROM CULTURE OF KIDNEY), PRESUMPTIVE EXOPHALIA; ELISA 0/1, FA 0/1
OM91	RED FISH LAKE	SOCKEYE SALMON	95-318	7/6/95				-								DIAGNOSTIC	UNDETERMINED ETIOLOGY, ELISA 0/1, FA 0/1
OM91	RED FISH LAKE	SOCKEYE SALMON	95-320	7/3/95				-								DIAGNOSTIC	UNDETERMINED ETIOLOGY; ELISA 0/1
OM91	RED FISH LAKE	SOCKEYE SALMON	95-321	7/10/95				-	-	-	-					DIAGNOSTIC	VISCERAL ADHESIONS FROM MYCOSIS(PRESUMPTIVE EXOPHALIA); ELISA 0/1
OM91	RED FISH LAKE	SOCKEYE SALMON	95-325	7/13/95				-								DIAGNOSTIC	UNDETERMINED ETIOLOGY; ELISA 0/1
BY94	RED FISH LAKE	SOCKEYE SALMON	95-328	7/15/95				-								DIAGNOSTIC	UNDETERMINED ETIOLOGY, FA 0/1
BY94	RED FISH LAKE	SOCKEYE SALMON	95-329	7/15/95				-								DIAGNOSTIC	UNDETERMINED ETIOLOGY, FA 0/1
ANBY93	RED FISH LAKE	SOCKEYE SALMON	95-336	7/25/95				-								DIAGNOSTIC	LYMPHOSARCOMA, ELISA 0/1
BY94	RED FISH LAKE	SOCKEYE SALMON	95-337	7/26/95					-	-	-					DIAGNOSTIC	FLEXIBACTER SPP. (NOT PSYCHROPHILUS)
ANBY93	RED FISH LAKE	SOCKEYE SALMON	95-343	7/29/95				-								DIAGNOSTIC	UNDETERMINED ETIOLOGY, POSSIBLE NEPHROCALCINOSIS; ELISA 0/1
OM93	RED FISH LAKE	SOCKEYE SALMON	95-344	7/29/95				-								DIAGNOSTIC	UNDETERMINED ETIOLOGY, ELISA 0/1
OM91	RED FISH LAKE	SOCKEYE SALMON	95-348	8/4/95				-								DIAGNOSTIC	UNDETERMINED ETIOLOGY, FA 0/1, ELISA 0/1
OM93	RED FISH LAKE	SOCKEYE SALMON	95-349	8/7/95	-	-		-								DIAGNOSTIC	UNDETERMINED ETIOLOGY, FA 0/1, ELISA 0/1, VIRO 0/1
ANBY93	RED FISH LAKE	SOCKEYE SALMON	95-361	8/10/95				-	-	-	-					DIAGNOSTIC	UNDETERMINED ETIOLOGY; ELISA 0/1, BACTE RESULTS NEGATIVE
ANBY93	RED FISH LAKE	SOCKEYE SALMON	95-383	8/25/95				-								DIAGNOSTIC	UNDETERMINED ETIOLOGY; ELISA 0/1
ANBY94	RED FISH LAKE	SOCKEYE SALMON	95-387	8/28/95				-								DIAGNOSTIC	UNDETERMINED ETIOLOGY; FA 0/1
	RED FISH LAKE	SOCKEYE SALMON	95-390	8/31/95				-					-			INSPECTION	NO PATHOGENS DETECTED; WHD 0/50, ELISA 0/50
ANBY94	RED FISH LAKE	SOCKEYE SALMON	95-391	8/30/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED; ELISA 0/1
ANBY94	RED FISH LAKE	SOCKEYE SALMON	95-393	8/31/95				-	-	-	-					DIAGNOSTIC	MAS, GILL MYCOSIS; ELISA 0/1, AEROMONAS CAVIAE
ANBY93	RED FISH LAKE	SOCKEYE SALMON	95-406	9/4/95				-								DIAGNOSTIC	OPEN CASE; ELISA, 0/1, FAT 0/1, HYPHAL ELEMENTS IN BLOOD SMEAR EXTENSIVE
OM91; BY93	RED FISH LAKE	SOCKEYE SALMON	95-411	9/6/95				-	-	-	-					DIAGNOSTIC	INTERNAL MYCOSIS; ELISA 0/1, BACTE NSG
OM92	RED FISH LAKE	SOCKEYE SALMON	95-422	9/12/95				-								DIAGNOSTIC	SOME BUBBLES IN EGGS/NO YOLK, ELISA 0/1
ANBY93	RED FISH LAKE	SOCKEYE SALMON	95-436	9/15/95				-	-	-	-					DIAGNOSTIC	UNDETERMINED ETIOLOGY, BACTE 0/1 NSG, ELISA 0/1,
ANBY94	RED FISH LAKE	SOCKEYE SALMON	95-439	9/19/95				-	-	-	-					DIAGNOSTIC	UNDETERMINED ETIOLOGY; ELISA 0/1
ANBY94	RED FISH LAKE	SOCKEYE SALMON	95-445A	9/20/95				-								DIAGNOSTIC	UNDETERMINED ETIOLOGY; ELISA 0/2
ANBY94	RED FISH LAKE	SOCKEYE SALMON	95-445B	9/20/95				-								DIAGNOSTIC	UNDETERMINED ETIOLOGY; ELISA 0/1
OM92	RED FISH LAKE	SOCKEYE SALMON	95-450	9/26/95	-	-		-								DIAGNOSTIC	NO PATHOGENS DETECTED; VIRO 0/1, ELISA 0/1
ANBY94	RED FISH LAKE	SOCKEYE SALMON	95-452	9/24/95				-								DIAGNOSTIC	UNDETERMINED ETIOLOGY, ELISA 0/1
ANBY93	RED FISH LAKE	SOCKEYE SALMON	95-453	9/26/95				-								DIAGNOSTIC	MECHANICAL TRAUMA; ELISA 0/1
BY91	RED FISH LAKE	SOCKEYE SALMON	95-467	10/2/95	-	-		-								DIAGNOSTIC	NO PATHOGENS DETECTED; VIRO 0/1, ELISA 0/1
OM91; BY91	RED FISH LAKE	SOCKEYE SALMON	95-472	10/4/95				-								DIAGNOSTIC	MYCOSIS WITH SEVERE LIVER DEGENERATION - VIA HISTOPATHOLOGY; ELISA 0/2
BY91	RED FISH LAKE	SOCKEYE SALMON	95-476	10/6/95	-	-		-								DIAGNOSTIC	NO PATHOGENS DETECTED, VIRO 0/1, ELISA 0/1
ANBY94	RED FISH LAKE	SOCKEYE SALMON	95-477	10/8/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED; ELISA 0/2
BY91	RED FISH LAKE	SOCKEYE SALMON	95-484	10/11/95												DIAGNOSTIC	RS; ELISA 0/1
BY91	RED FISH LAKE	SOCKEYE SALMON	95-488	10/17/95	-	-		-								INSPECTION	NO PATHOGENS DETECTED; VIRO 0/10, ELISA 0/10
OM92	RED FISH LAKE	SOCKEYE SALMON	95-490	10/18/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED; ELISA 0/1
BY91	RED FISH LAKE	SOCKEYE SALMON	95-492	10/19/95	-	-		+								DIAGNOSTIC	RS; ELISA 1/10 LOW, VIRO 0/10
OM91; OM92	RED FISH LAKE	SOCKEYE SALMON	95-495	10/20/95												DIAGNOSTIC	OPEN CASE
ANBY93	RED FISH LAKE	SOCKEYE SALMON	95-497	10/22/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED; ELISA 0/1
REBY92	RED FISH LAKE	SOCKEYE SALMON	95-501	10/25/95	-	-		-								DIAGNOSTIC	OPEN CASE; ELISA 0/1

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OM91; OM92; BY91	RED FISH LAKE	SOCKEYE SALMON	95-508	10/25/95	-	-		+								DIAGNOSTIC	RS; ELISA 1/20 LOW, VIRO 0/20
BY91	RED FISH LAKE	SOCKEYE SALMON	95-510	10/26/95												DIAGNOSTIC	BUBBLES, SMALL FOLLICLES
REBY92; REBY93	RED FISH LAKE	SOCKEYE SALMON	95-516	10/27/95	-	-		-								DIAGNOSTIC	GAS BUBBLE, SUPERSATURATION; VIRO 0/5, ELISA 0/5, GAS BUBBLE, GAS SUPERSAT
ANBY93; OM91,92,93	RED FISH LAKE	SOCKEYE SALMON	95-539	10/30/95	-	-		-								DIAGNOSTIC	COAG YOLK, ATRESIA, ELISA 0/5, VIRO 0/5
ANBY93; OM91	RED FISH LAKE	SOCKEYE SALMON	95-540	10/31/95				-								DIAGNOSTIC	HISTO - FIBROMA; ELISA 0/1
OM93; ANBY93	RED FISH LAKE	SOCKEYE SALMON	95-543	11/1/95	-	-		-								DIAGNOSTIC	NO PATHOGENS DETECTED, VIRO 0/10, ELISA 0/10
REBY92; ANBY93	RED FISH LAKE	SOCKEYE SALMON	95-550	11/6/95	-	-		-								DIAGNOSTIC	NO PATHOGENS DETECTED, VIRO 0/3, ELISA 0/3
REBY92; OM91; BY93	RED FISH LAKE	SOCKEYE SALMON	95-558	11/13/95	-	-		-								DIAGNOSTIC	NO PATHOGENS DETECTED, VIRO 0/6, ELISA 0/6, FAT 0/6
ANBY93	RED FISH LAKE	SOCKEYE SALMON	95-566	11/27/95				-								DIAGNOSTIC	UNDETERMINED ETIOLOGY, ELISA 0/1
ANBY93	RED FISH LAKE	SOCKEYE SALMON	95-569	12/2/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED, ELISA 0/1
OM93	RED FISH LAKE	SOCKEYE SALMON	95-570	12/4/95	-	-		-								DIAGNOSTIC	UNDETERMINED ETIOLOGY; ELISA 0/1, VIRO 0/1
ANBY93	RED FISH LAKE	SOCKEYE SALMON	95-591	12/15/95				-								DIAGNOSTIC	UNDETERMINED ETIOLOGY; ELISA 0/1
ANBY93	RED FISH LAKE	SOCKEYE SALMON	95-599	12/23/95												DIAGNOSTIC	OPEN CASE
EAGLE WET LAB		D															
1994	DEAD WOOD RESERVOIR	KOKANEE	95-475	10/5/95				-								RESEARCH	NO PATHOGENS DETECTED; FA 0/14, ELISA 0/15
1994	DEAD WOOD RESERVOIR	KOKANEE	95-496	10/20/95				-								DIAGNOSTIC	NO PATHOGENS DETECTED, FAT 0/1, ELISA 0/1
1995	HAYSPUR	RAINBOW TROUT	95-551A	11/6/95				-								RESEARCH	NO PATHOGENS DETECTED, ELISA 0/60, FAT 0/60
1995	HAYSPUR	RAINBOW TROUT	95-551B	11/30/95				-								RESEARCH	NO PATHOGENS DETECTED, DFAT 0/12
GRACE HATCHERY		B															
1995	HAYSPUR	RAINBOW TROUT	95-218	4/27/95	-	-			-	-	+					INSPECTION	CWD, VIRO 0/8, FLEXIBACTER PSYCHROPHILUS 8/8
1994	HAYSPUR	RAINBOW TROUT	95-219	4/27/95	-	-		+	-	-	-		-			INSPECTION	RS; VIRO 0/60, ELISA 5/12 (5-FISH POOLS) VERY LOW, WHD 0/60
1994	SARATOGA	BROWN TROUT	95-220	4/27/95	-	-			-	-	-					INSPECTION	NO PATHOGENS DETECTED, VIRO 0/30, BACTE NSG
1995	HAYSPUR	RAINBOW TROUT	95-284	6/1/95	-	-			-	-	+					DIAGNOSTIC	BACTERIAL GILL DISEASE, CWD, VIRO 0/12, FLEXIBACTER PSYCHROPHILUS 1/12
1995	HAYSPUR	RAINBOW TROUT	95-322	7/11/95					-	-	-					INSPECTION	BACTERIAL GILL DISEASE
1995	HAYSPUR	KAMLOOP RNBT	95-446	9/20/95	-	-			-	-	+					DIAGNOSTIC	CWD, VIRO 0/10, F PSYCHROPHILUS 2/8
1994	LEWIS LAKE, (WYOMING)	LAKE TROUT	95-460	9/26/95	-	-		+	-	-	-					INSPECTION	RS; BACTE NSG, VIRO 0/60, ELISA 1/12 (5 FISH POOLS) LOW
1994	HAYSPUR	KAMLOOP RNBT	95-461	9/26/95					-	-	+					INSPECTION	CWD, MAS; F. PSYCHROPHILUS 3/8, A HYDROPHILA 3/8
FERAL	GRACE SETTLING POND	RAINBOW TROUT	95-464	9/28/95				+					-			INSPECTION	OPEN CASE AWAITING HISTO, WHD 0/10, ELISA 8/10 (7 LOW, 1 MOD)
HAGERMAN NFH		C															
1994	SAWTOOTH	STEELHEAD, A GROUP	95-182	4/18/95	-			+	-	-	-					INSPECTION	RS; BACTE NSG 0/8, ELISA 1/4(5-FISH) LOW, VIRO 0/20
1994	SAWTOOTH	STEELHEAD, A GROUP	95-183	4/18/95					-	+	-					INSPECTION	ERM, YERSINIA RUCKERI 8/8, PRELIBERATION
HAGERMAN SFH		C															
1995	HAYSPUR	RAINBOW TROUT	95-005	1/4/95	-	-			-	-	-					DIAGNOSTIC	BACTERIAL GILL DISEASE; VIRO 0/40, 4/12 ACINETOBACTER, 3/12 HAFNIA, 3/12 PSEUDOMONAS, 2/12 AEROMONAS, 1/12 FLAVOBACTERIUM SPP
1995	ENNIS	RAINBOW TROUT	95-006	1/4/95	-	-										DIAGNOSTIC	BGD, MYCOSIS(SECONDARY), COSTIASIS (ICHTHYOBODO); VIRO 0/15
1995	HAYSPUR	RAINBOW TROUT	95-007	1/4/95					-	-	+					DIAGNOSTIC	CWD, COSTIA(ICHTHOBODO), SECONDARY MYCOSIS, BGD; FLEXIBACTER PSYCROPHILUS 3/4
1994	TROUT LODGE	RAINBOW TROUT	95-019	1/11/95	+	-		+	-	-	-					DIAGNOSTIC	IHN, RS, MAS; IHNV 2/2(5-FISH), IPN 0/10, ELISA 2/2(5-FISH) BOTH LOW, A HYDROPHILA 2/8

BroodYr	Stock	Class Species	Log #	Sample Date	IHN	IPN	EIBS	BKD	FUR	ERM	CWD	PKD	WHD	CSH	ICH	EXAM TYPE	Diagnoses
1995	HAYSPUR	RAINBOW TROUT	95-032	1/24/95	-	-			-	-						DIAGNOSTIC	GILL MYCOSIS FOLLOWING BACTERIAL/ENVIRONMENTAL GILL DISEASE; VIRO 0/25, AEROMONAS SOBRIA 7/8, PSEUDOMONAS 7/8 (OTC RESISTANT) ISOLATED FROM GILLS, HISTO GILL NECROSIS, MYCOSIS
1995	HAYSPUR	RAINBOW TROUT	95-033	1/24/95	-	-			-	-	-					DIAGNOSTIC	MAS; VIRO 0/10, A.HYDROPHILA 1/4
1994	TROUT LODGE	KAMLOOP RBT	95-034	1/24/95	+	-			-	-	-					DIAGNOSTIC	IHN, GILL MYCOSIS, IHNV 2/2(5-FISH POOLS), IPN 0/10, BACTE NSG
1995	HAYSPUR	RAINBOW TROUT	95-041	1/31/95	-	-			-	-	-					DIAGNOSTIC	BACTERIAL GILL DISEASE; VIRO 0/15, A.HYDROPHILA 8/8, PS VESICULARIS 2/8
1995	HAYSPUR	RAINBOW TROUT	95-042	1/31/95	-	-			-	-	-					DIAGNOSTIC	BACTERIAL GILL DISEASE; VIRO 0/10, SHEWANELLA PUTREFACIENS 4/4, ACINETOBACTER CALCOCCETICUS 4/4, ISOLATED FROM GILLS
1995	HAYSPUR	RAINBOW TROUT	95-043	1/31/95	+	-			-	-	-					DIAGNOSTIC	IHN, IPN 0/15, IHNV 3/3 (5-FISH POOLS), FUR 0/4, ERM 0/4, CWD 0/4
1995	HAYSPUR	RAINBOW TROUT	95-044	1/31/95	+	-			-	-	+					DIAGNOSTIC	IHN, CWD, IHN 3/3(5-FISH POOLS), IPN 0/15, F PSYCHROPHILUS 4/4
1994	HENRY'S LAKE	RAINBOW X CUTTH HYBRID	95-045	1/31/95	+	-			-	-	-					DIAGNOSTIC	COLUMNARIS(FLEXIBACTERIOSIS), IHN, IHNV 2/2(5-FISH POOLS), IPN 0/10, F COLUMNARIS 3/4 HEAVY
1995	HAYSPUR	KAMLOOP RBT	95-046	1/31/95	+	-			-	-	+					DIAGNOSTIC	IHN, CWD, IHNV 3/3 (5-FISH POOLS), IPN 0/15, CWD 3/4 LOW
1995	HAYSPUR	KAMLOOP RBT	95-055	2/3/95	-	-			-	-	+					DIAGNOSTIC	CWD, BACTERIAL SEPTICEMIA, VIRO 0/4, F PSYCHROPHILUS 2/4 LOW, PSEUDOMONAS SPP. 2/4
1995	HAYSPUR	KAMLOOP RNBT	95-056	2/3/95	-	-			-	-	-					DIAGNOSTIC	NO PATHOGENS DETECTED, VIRO 0/4
1995	HAYSPUR	KAMLOOP RBT	95-057	2/3/95												DIAGNOSTIC	ENVIRONMENTAL GILL DISEASE (PRESUMPTIVE)
1995	HAYSPUR	RAINBOW TROUT	95-060	2/9/95	-	-			-	-	-					DIAGNOSTIC	GILL MYCOSIS, COSTIASIS (SINGLE PARASITISM); VIRO 0/20, BACTE 0/16
1995	HAYSPUR	RAINBOW TROUT	95-073	2/22/95	+	-			-	-	-					DIAGNOSTIC	IHN; IHNV 1/2 (5-FISH POOLS), IPN 0/10, BACTE NSG
1994	HENRY'S LAKE	CUTTHROAT TROUT	95-098	3/16/95	-	-			-	-	-					DIAGNOSTIC	COLUMNARIS DISEASE (FLEXIBACTERIOSIS); COLUMNARIS 4/4(HEAVY), VIRO 0/10,
1995	HAYSPUR	RAINBOW TROUT	95-102	3/16/95	+	-			-	-	-					DIAGNOSTIC	IHN; BACTE NSG 0/8, IHNV 2/3(5-FISH), IPN 0/15
1995	ENNIS	RAINBOW TROUT	95-103	3/16/95	-	-			-	-	-					DIAGNOSTIC	MAS; AEROMONAS CAVIAE 1/4 (MOD), VIRO 0/10
1995	HAYSPUR	RAINBOW TROUT	95-104	3/16/95	-	-			-	-	-					DIAGNOSTIC	UNDETERMINED ETIOLOGY; BACTE NSG , VIRO 0/10
1994	ENNIS	RAINBOW X CUTTH HYBRID	95-105	3/16/95	+	-			-	-	+		-			DIAGNOSTIC	COLUMNARIS DISEASE (FLEXIBACTERIOSIS), CWD, MAS, IHN; IHNV 1/2(4-FISH), IPN 0/8, WHD 0/8, A CAVIA 3/8, A HYDROPHILA 2/8, F.COLUMNARIS 2/8, F PSYCHROPHILUS 2/8
1995	HAYSPUR	RAINBOW TROUT	95-184	4/18/95	+	-			-	-	-					DIAGNOSTIC	IHN; IHNV 2/2 (5-FISH POOLS), IPN 0/10, CWD 0/4
1995	HAYSPUR	RAINBOW TROUT	95-185	4/18/95	-	-			-	-	-					DIAGNOSTIC	MAS; VIRO 0/10, CWD 0/4, AEROMONAS SPP. 4/4
1995	HAYSPUR	RAINBOW TROUT	95-186	4/18/95	+	-			-	-	-					DIAGNOSTIC	IHN; BACTE NSG, IHNV 2/2 POOLS
1994	HAYSPUR	RAINBOW TROUT	95-187	4/18/95	+	-			-	-	-					DIAGNOSTIC	IHN; IHNV 2/2(5-FISH POOLS), IPN 0/10, CWD 0/8
1995	ENNIS	KAMLOOP RNBT	95-188	4/18/95	-	-										DIAGNOSTIC	UNDETERMINED ETIOLOGY; VIRO 0/9
1995	HAYSPUR	RAINBOW TROUT	95-268	5/18/95	+	-			-	-	+					DIAGNOSTIC	IHN, CWD; IHNV 2/2/(5-FISH), F PSYCHROPHILUS 7/8
1995	HAYSPUR	RAINBOW TROUT	95-272	5/23/95	+	-			-	-	+					DIAGNOSTIC	IHN, CWD, P.FLUORESCENS 1/4 (CARRIER); IHNV 2/2(4-FISH), BS 1/4, F.PSYCHROPHILUS 4/4
1995	HAYSPUR	KAMLOOP RBT	95-273	5/23/95	+	-			-	-	+					DIAGNOSTIC	CWD, MAS, IHN; F. PSYCHROPHILUS 4/4, AEROMONAS SOBRIA 2/4, IHNV 2/2 (5-FISH)
1995	HAYSPUR	RAINBOW TROUT	95-274	5/23/95	-	-			-	-	+					DIAGNOSTIC	CWD, PSEUDOMONAS SEPTICEMIA (POSSIBLE SECONDARY); VIRO 0/4, F. PSYCHROPHILUS 4/4
1995	HAYSPUR	RAINBOW TROUT	95-282	5/30/95	+	-			-	-	+					DIAGNOSTIC	CWD, IHN; IHN 1/1 (5-FISH POOL), FLEXIBACTER PSYCHROPHILUS 4/4, PSEUDOMONAS SP. 1/4
1995	HENRY'S LAKE	RAINBOW X CUTTH HYBRID	95-296	6/12/95	-	-			-	-	-					DIAGNOSTIC	MULTIPLE PARASITISM - COSTIA AND CILIATED PROTOZOAN
1995	HAYSPUR	RAINBOW TROUT	95-297	6/12/95	+	-			-	-	+					INSPECTION	IHN, CWD; IHNV 1/1, F. PSYCHROPHILUS 4/4
1995	TROUT LODGE	KAMLOOP/STEELHEAD HYBRIDS	95-298	6/12/95	-	-			-	-	+					DIAGNOSTIC	CWD, MAS; VIRO 0/8, F. PSYCHROPHILUS 7/8, AEROMONAS SOBRIA 4/8
1995	HAYSPUR	RAINBOW TROUT	95-584	12/11/95	-	-					-					DIAGNOSTIC	NO PATHOGENS DETECTED, PRESUMPTIVE BGD; VIRO 0/15, CWD 0/12
HAYSPUR HATCHERY		C															
BROOD	GLOYD SPRINGS	KAMLOOP RBT	95-017	1/10/95	-	-		-								INSPECTION	NO PATHOGENS DETECTED; VIRO 0/14, ELISA 0/10, FA 0/13

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BROOD	GLOYD SPRINGS	KAMLOOP RBT	95-025	1/19/95	-	-		-								INSPECTION	NO PATHOGENS DETECTED; VIRO 0/9, ELISA 0/9, MFAT 0/8, FA 0/9
1994	HAYSPUR	RAINBOW TROUT	95-026	1/19/95	-	-		+					-			INSPECTION	RS; ELISA 4/4(5-FISH) LOW, VIRO 0/20, WHD 0/20
1994	HAYSPUR	RAINBOW TROUT	95-027	1/19/95	-	-		+					-			INSPECTION	RS; ELISA 4/4(5-FISH) LOW, VIRO 0/20, WHD 0/20
BROOD	GLOYD SPRINGS	KAMLOOP RBT	95-047	1/31/95	-	-		+								INSPECTION	RS; VIRO 0/16, FA 0/10, ELISA 0/10, MFAT 1/16(2/30 FIELDS)
1994	HAYSPUR	RAINBOW TROUT	95-066	2/14/95				+					-			INSPECTION	RS; ELISA 20/33 LOW, DFAT 0/60, WHD 0/60
BROOD	GLOYD SPRINGS	KAMLOOP RBT	95-067	2/14/95	-	-		+								INSPECTION	RS; VIRO 0/25, ELISA 1/7 LOW, DFAT 0/7, MFAT 1/25
BROOD	GLOYD SPRINGS	KAMLOOP RBT	95-076	2/27/95	-	-		+								INSPECTION	RS; VIRO 0/30, ELISA 0/1, FA 0/1, MFAT 5/30 (2/30 TNTC)
1994	HAYSPUR	RAINBOW TROUT	95-077	2/27/95				+					+			INSPECTION	RS, WHD; ELISA 53/60 (51 LOWS, 2 MODERATES), MYXOBOLUS CEREBRALIS 1/12 (5-FISH POOLS)
1994	HAYSPUR	RAINBOW TROUT	95-107	3/17/95									+			INSPECTION	WHD; RCWY A THRU C - 0/120, MYXOBOLUS CEREBRALIS RCWY D - 1/24 (5-FISH POOLS), RCWY E - 1/24 (5-FISH POOLS), RCWY F - 6/16 (5-FISH POOLS).
1994	HAYSPUR	RAINBOW TROUT	95-155	4/10/95	-	-							-			INSPECTION	NO PATHOGENS DETECTED, WHD 0/60, VIRO 0/15
BROOD	HAYSPUR	RAINBOW TROUT	95-156	4/10/95									+			INSPECTION	M CEREBRALIS; WHD 1/14 (5-FISH POOLS), WHD CONFIRMED BY HISTO
1995	HAYSPUR	RAINBOW TROUT	95-213	4/25/95	-	-			-	-	+					DIAGNOSTIC	CWD, VIRO 0/8, FLEXIBACTER PSYCHROPHILUS 8/8
1995	HAYSPUR	RAINBOW TROUT	95-263	5/15/95	-	-			-	-	+					DIAGNOSTIC	CWD, BACTEREMIA (SECONDARY), VIRO 0/4, FLEXIBACTER PSYCHROPHILUS 3/4, PSEUDOMONAS 1/4
1995	HAYSPUR	RAINBOW TROUT	95-457	9/20/95									-			RESEARCH	NO MYXOBOLUS SPORES DETECTED BY DIGESTION FROM FISH HELD IN RACEWAY F FOR 3 MONTHS (JULY-SEPT.)
BROOD	HAYSPUR	RAINBOW TROUT	95-489	10/17/95	-	-		+								INSPECTION	RS, VIRO 0/20, MFAT 0/20, DFAT 0/10, ELISA 1/10 LOW
BROOD	HAYSPUR	RAINBOW TROUT	95-541	10/31/95	-	-		-								INSPECTION	NO PATHOGENS DETECTED, VIRO 0/29, MFAT 0/28, DFAT 0/10, ELISA 0/10
FERAL	HAYSPUR	RAINBOW TROUT	95-542	10/31/95	-	-		+								INSPECTION	RS, VIRO 0/1, MFAT 0/1, DFAT 0/1, ELISA 1/1 HIGH EGGS CULLED (TAKEN TO EAGLE WET LAB FOR RESEARCH)
BROOD	HAYSPUR	RAINBOW TROUT	95-559	11/14/95	-	-		+								INSPECTION	RS; MFAT 1/50, DFAT 0/10, ELISA 0/10, VIRO 0/50
FERAL	HAYSPUR	RAINBOW TROUT	95-562	11/21/95	-	-		+								INSPECTION	RS; VIRO 0/1, MFAT 0/1, DFAT 0/1, ELISA 1/1 LOW
BROOD	HAYSPUR	RAINBOW TROUT	95-563	11/21/95	-	-		-								INSPECTION	NO PATHOGENS DETECTED, ELISA 0/10, FAT, 0/10, MFAT 0/49, VIRO 0/49
BROOD	HAYSPUR	KAMLOOP RNBT	95-568	11/29/95	-	-		-								INSPECTION	NO PATHOGENS DETECTED; ELISA 0/15, FAT 0/15, VIRO 0/20, MFAT 0/20
FERAL	HAYSPUR	RAINBOW TROUT	95-574	12/5/95	-	-		+								INSPECTION	RS; ELISA 1/1 HIGH, MFAT 1/1 HIGH, DFAT 1/1, VIRO 0/1
BROOD	HAYSPUR	RAINBOW TROUT	95-575	12/5/95	-	-		+								INSPECTION	RS, ELISA 1/20 LOW, DFAT 0/20, MFAT 0/29
BROOD	HAYSPUR	KAMLOOP RNBT	95-588	12/13/95	-	-		-								INSPECTION	NO PATHOGENS DETECTED, ELISA 0/15, FAT 0/15, VIRO 0/30, MFAT 0/30
FERAL	HAYSPUR	RAINBOW TROUT	95-597	12/19/95	-	-		+								INSPECTION	RS; VIRO 0/2, ELISA 2/2 (1 LOW, 1 MOD), MFAT 0/2, DFAT 0/2
BROOD	HAYSPUR	RAINBOW TROUT	95-598	12/19/95	-	-		+								INSPECTION	RS, VIRO 0/18, MFAT 1/18
BROOD	HAYSPUR	KAMLOOP RNBT	95-601	12/28/95	-	-		+								INSPECTION	RS; MFAT 1/30, DFAT 0/15, ELISA 4/15 (3 LOW, 1 HIGH)
BROOD	COLORADO RIVER	RAINBOW TROUT	95-602	12/29/95	-	-		-								INSPECTION	NO PATHOGENS DETECTED; VIRO 0/40, DFAT 0/30, MFAT 0/40, ELISA 0/30
HENRY'S LAKE		C															
BROOD	HENRY'S LAKE	CUTTHROAT TROUT	95-086	3/9/95	-	-		+								INSPECTION	RS; VIRO 0/255, FA 2/51 TNTC
BROOD	HENRY'S LAKE	CUTTHROAT TROUT	95-087	3/9/95	-	-		-								INSPECTION	NO PATHOGENS DETECTED, FA 0/165, VIRO 0/165
BROOD	HENRY'S LAKE	CUTTHROAT TROUT	95-099	3/8/95	-	-		-								INSPECTION	NO PATHOGENS DETECTED; FA 0/195, VIRO 0/195
BROOD	HENRY'S LAKE	CUTTHROAT TROUT	95-100	3/14/95	-	-		-								INSPECTION	NO PATHOGENS DETECTED; FA 0/160, VIRO 0/135
BROOD	HENRY'S LAKE	CUTTHROAT TROUT	95-101	3/13/95				-								INSPECTION	NO PATHOGENS DETECTED; FA 0/320
BROOD	HENRY'S LAKE	CUTTHROAT TROUT	95-120	3/15/95				+								INSPECTION	RS; FA 6/72(TNTC W/LARGE FLUOR BT IN OF)
BROOD	HENRY'S LAKE	CUTTHROAT TROUT	95-165	4/4/95				-								INSPECTION	NO PATHOGENS DETECTED; FA 0/530
BROOD	HENRY'S LAKE	CUTTHROAT TROUT	95-195	4/19/95	-	-		+					-			INSPECTION	RS; ELISA 56/61(53 LOW, 3 MOD), VIRO 0/61, WHD 0/60
BROOD	HENRY'S LAKE	CUTTHROAT TROUT	95-196	4/10/95				+								INSPECTION	RS; FA 1/36(5-FISH POOLS)
BROOD	HENRY'S LAKE	CUTTHROAT TROUT	95-197	4/11/95				-								INSPECTION	NO PATHOGENS DETECTED; FA 0/100
BROOD	HENRY'S LAKE	CUTTHROAT TROUT	95-198	4/14/95				-								INSPECTION	NO PATHOGENS DETECTED; FA 0/300, DFAT 0/60

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BROOD	HENRY'S LAKE	CUTTHROAT TROUT	95-199	4/15/95				-								INSPECTION	NEGATIVE FOR RS; FA 0/200
BROOD	HENRY'S LAKE	BROOK TROUT	95-544	10/24/95	-	-		-								INSPECTION	NO PATHOGENS DETECTED, VIRO 0/130, ELISA 0/130
BROOD	HENRY'S LAKE	BROOK TROUT	95-554	11/7/95	-	-		+					-			INSPECTION	RS, ELISA 35/52 LOW, VIRO 0/52, MYXOBOLUS SP 1/10, HISTO 0/3, WHD 0/50
LAB RESEARCH		D															
1994	DEAD WOOD RESERVOIR	KOKANEE	95-002	1/3/95				-								RESEARCH	NO PATHOGENS DETECTED; ELISA 0/20
1994	HAYSPUR	RAINBOW TROUT	95-035	1/25/95				-								RESEARCH	NO PATHOGENS DETECTED, ELISA 0/10
1994	DEAD WOOD RESERVOIR	KOKANEE	95-096	2/16/95	-	-		-								RESEARCH	NO PATHOGENS DETECTED, UNDETERMINED ETIOLOGY; ELISA 0/3, VIRO 0/3
1993	HAYSPUR	RAINBOW TROUT	95-236	5/8/95				-								RESEARCH	NO PATHOGENS DETECTED; ELISA 0/60
1994	SAWTOOTH	STEELHEAD, A GROUP	95-301	6/15/95												RESEARCH	OPEN CASE, AWAITING HISTO (FISH HELD AT SAWTOOTH ON RAW WATER)
1994	HAYSPUR	RAINBOW TROUT	95-330	7/17/95										+		RESEARCH	NO PATHOGENS DETECTED; CSH 1/4 HEAVY INFECTION
1994	HAYSPUR	RAINBOW TROUT	95-346	7/31/95				-	-	-	-					RESEARCH	MAS; ELISA 0/1, FA 0/1, AEROMONAS HYDROPHILA 1/1
1994	SAWTOOTH	STEELHEAD, A GROUP	95-354	8/8/95									-			RESEARCH	(FISH HELD AT SAWTOOTH ON RAW WATER); NO PATHOGENS DETECTED; CARTILAGE IN ONE SECTION SUSPICIOUS PATHOLOGY (SIMILAR TO WHAT IS SEEN WITH M CEREBRALIS IN INFECTIONS) SPORES NOT SEEN
1995	DEAD WOOD RESERVOIR	KOKANEE, EARLY SPAWNER	95-360	8/9/95				-								RESEARCH	NO PATHOGENS DETECTED, FA 0/10, ELISA 0/10
1993	HAYSPUR	RAINBOW TROUT	95-366	8/17/95	-	-		-	-	-	-					RESEARCH	NO PATHOGENS DETECTED; VIRO 0/1, ELISA 0/1, FAT 0/1, CWD 0/1
1993	HAYSPUR	RAINBOW TROUT	95-368	8/15/95	-	-		-	-	-	-					RESEARCH	NO PATHOGENS DETECTED; VIRO 0/6, ELISA 0/6, FA 0/6, BACTE NSG
1994	SAWTOOTH	STEELHEAD, A GROUP	95-474	10/3/95												RESEARCH	OPEN CASE (FISH HELD AT SAWTOOTH ON RAW WATER)
1994	DEAD WOOD RESERVOIR	KOKANEE	95-564	11/21/95				+								RESEARCH	OPEN CASE; FA 1/11 TNTC, ELISA 1/2 (5-FISH POOLS) HIGH, A HYDROPHILA 1/1
LOOKING GLASS,OR		C															
1994	HAYSPUR	RAINBOW TROUT	95-001	1/3/95				+								RESEARCH	RS; ELISA 2/4 (5-FISH POOLS) BOTH LOW
MACKAY HATCHERY		B															
FERAL	SETTLING POND	CUTTHROAT TROUT	95-214	4/25/95									-			WILD FISH	NEGATIVE FOR WHD
1994	SARATOGA	BROWN TROUT	95-215	4/25/95	-	-		+	-	-	-		-			INSPECTION	RS, ELISA 2/12 (5-FISH) LOW, VIRO 0/60, BACTE NSG, WHD 0/20
1994	WESTSLOPE	CUTTHROAT TROUT	95-216	4/26/95	-	-		+	-	-	-		-			INSPECTION	RS, VIRO 0/60, ELISA 1/12(5-FISH POOLS) LOW, WHD 0/60, BACTE NO GROWTH
1993	ARLEE	RAINBOW TROUT	95-217	4/26/95	-	-		+	-	-	-		-			INSPECTION	RS; VIRO 0/60, ELISA 6/12(5-FISH POOLS), WHD 0/60, BACTE NO GROWTH
1994	HAYSPUR	RAINBOW TROUT	95-498	10/23/95	-	-		+	-	-	-		-			INSPECTION	RS; VIRO 0/60, WHD 0/60, ELISA 5/12 (5-FISH POOLS), FAT 0/60
FERAL	SETTLING POND	RAINBOW TROUT	95-520	10/25/95									+			WILD FISH	HISTO CONFIRMED M CEREBRALIS (WHIRLING DISEASE), WHD 1/1 (2 FISH POOL)
MAGIC VALLEY HATCHERY		C															
1994	PAHSIMEROI RIVER	STEELHEAD, A GROUP	95-015	1/9/95	-	-			+	-	-					DIAGNOSTIC	FURUNCULOSIS; VIRO 0/10, FUR 3/8, ERM 0/8, CWD 0/8
1994	DWORSHAK	STEELHEAD, B GROUP	95-016	1/9/95	-	-			-	-	+					DIAGNOSTIC	MAS, CWD EXTERNAL FLEXIBACTERIOSIS; VIRO 0/8, FLEXIBACTER PSYCHROPHILUS 8/8, MAS 4/8
1994	DWORSHAK	STEELHEAD, B GROUP	95-062	2/14/95	-	-			-	-	-					INSPECTION	NO PATHOGENS DETECTED; CWD 0/8, FUR 0/4, ERM 0/4, VIRO 0/10
1994	PAHSIMEROI RIVER	STEELHEAD, A GROUP	95-063	2/14/95	-	-			-	-	-					INSPECTION	NO PATHOGENS DETECTED; VIRO 0/10, BACTE NSG 0/8
1994	EAST FORK	STEELHEAD, B GROUP	95-064	2/14/95	-	-			-	-	-					INSPECTION	NO PATHOGENS DETECTED; VIRO 0/10, BACTE NSG 0/8
1994	PAHSIMEROI RIVER	STEELHEAD, A GROUP	95-083	3/6/95	-	-		+					-			INSPECTION	RS; WHD 0/20, ELISA 1/4 (5-FISH) LOW, FA 0/20, VIRO 0/20, PRELIBERATION
1994	EAST FORK	STEELHEAD, B GROUP	95-084	3/6/95	-	-		+					-			INSPECTION	RS; WHD 0/20, ELISA 1/4(5-FISH) LOW, FA 0/20, DFAT 0/20, VIRO 0/20, PRELIBERATION, ONE FISH WITH PROTRUDING JAW
1995	DWORSHAK	STEELHEAD, B GROUP	95-269	5/18/95	-	-										DIAGNOSTIC	NO PATHOGENS DETECTED; VIRO 0/10
1995	DWORSHAK	STEELHEAD, B GROUP	95-331	7/17/95	-	-			-	-	+					DIAGNOSTIC	CWD, VIRO 0/10, F PSYCHROPHILUS 5/8
1995	DWORSHAK	STEELHEAD, B GROUP	95-357	8/8/95	-	-			-	-	-					INSPECTION	LESIONS SIMILAR TO STEATITIS OR SUNBURN; VIRO 0/10, BACTE NSG

BroodYr	Stock	Class Species	Log #	Sample Date	IHN	IPN	EIBS	BKD	FUR	ERM	CWD	PKD	WHD	CSH	ICH	EXAM TYPE	Diagnoses
1995	EAST FORK	STEELHEAD, B GROUP	95-358	8/8/95	-	-			-	-	-					INSPECTION	NO PATHOGENS DETECTED; VIRO 0/10, BACTE NSG
1995	PAHSIMEROI RIVER	STEELHEAD, A GROUP	95-359	8/8/95	-	-			-	-	-					INSPECTION	NO PATHOGENS DETECTED, VIRO 0/10, BACTE NSG
1995	DWORSHAK	STEELHEAD, B GROUP	95-468	10/3/95	-	-			-	-	-					INSPECTION	NO PATHOGENS DETECTED; VIRO 0/10, BACTE NSG
1995	PAHSIMEROI RIVER	STEELHEAD, A GROUP	95-469	10/3/95	-	-			-	-	-					INSPECTION	NO PATHOGENS DETECTED, VIRO 0/10, BACTE NSG
1995	EAST FORK	STEELHEAD, B GROUP	95-470	10/3/95	-	-			-	-	-					INSPECTION	NO PATHOGENS DETECTED, VIRO 0/10, BACTE NSG
1995	DWORSHAK	STEELHEAD, B GROUP	95-545	11/1/95	-	-			-	-	-					INSPECTION	NO PATHOGENS DETECTED, VIRO 0/10, BACTE NSG
1995	PAHSIMEROI RIVER	STEELHEAD, A GROUP	95-546	11/1/95	-	-			-	-	-					INSPECTION	NO PATHOGENS DETECTED, VIRO 0/10, BACTE NSG
1995	EAST FORK	STEELHEAD, B GROUP	95-547	11/1/95	-	-			-	-	-					INSPECTION	NO PATHOGENS DETECTED, VIRO 0/10, BACTE NSG
1995	DWORSHAK	STEELHEAD, B GROUP	95-548	11/1/95				+								INSPECTION	RS, ELISA 1/1 LOW, DFAT 0/1
1995	DWORSHAK	STEELHEAD, B GROUP	95-578	12/8/95				-	-	-	-					INSPECTION	NO PATHOGENS DETECTED, FAT 0/10
1995	EAST FORK	STEELHEAD, B GROUP	95-579	12/8/95				-	-	-	-					INSPECTION	NO PATHOGENS DETECTED, FAT 0/10, BACTE NSG
1995	PAHSIMEROI RIVER	STEELHEAD, A GROUP	95-580	12/8/95				-	-	-	-					INSPECTION	NO PATHOGENS DETECTED, FAT 0/10, BACTE NSG
MCCALL HATCHERY		C															
1994	S F. SALMON RIVER	SUMMER CHINOOK	95-009	1/4/95	-	-		-	-	-	-					INSPECTION	NO PATHOGENS DETECTED; FA 0/10, VIRO 0/10, BACTE NSG 0/8
1993	S.F. SALMON RIVER	SUMMER CHINOOK	95-065	2/21/95	-	-		-	-	-	-					INSPECTION	NO PATHOGENS DETECTED, FA 0/9, VIRO 0/9, BACTE NSG 0/8
1993	S.F. SALMON RIVER	SUMMER CHINOOK	95-136	3/29/95	-	-		-					-			INSPECTION	NO PATHOGENS DETECTED; FA 0/20, ELISA 0/20, VIRO 0/20, WHD 0/20
1994	S.F. SALMON RIVER	SUMMER CHINOOK	95-191	4/14/95												INSPECTION	ANOXIA AND MECHANICAL TRAUMA FROM SCREW TRAP
1994	S.F. SALMON RIVER	SUMMER CHINOOK	95-351	8/3/95	-	-		-								INSPECTION	NO PATHOGENS DETECTED, DFAT 0/10, VIRO 0/5
1995	S.F. SALMON RIVER	SUMMER CHINOOK	95-362	8/10/95	-	-		+					-			INSPECTION	RS, WHD 0/1, VIRO 0/1, ELISA 1/1 LOW, HISTO - NO SPORES SEEN
BROOD	S.F. SALMON RIVER	SUMMER CHINOOK	95-365	8/15/95	-	-		+					-			INSPECTION	RS, ELISA 3/4 (2 LOW, 1 HIGH), WHD 0/4, VIRO 0/4, HISTO - NO SPORES SEEN
BROOD	S.F. SALMON RIVER	SUMMER CHINOOK	95-369	8/18/95	-	-		+					-			INSPECTION	RS, VIRO 0/5, ELISA 4/5 LOW, WHD 0/5, HISTO - NO SPORES SEEN
BROOD	S.F. SALMON RIVER	SUMMER CHINOOK	95-373	8/22/95	-	-		+					-			INSPECTION	RS, ELISA 3/3 (2 LOW, 1 HIGH), VIRO 0/3, WHD 0/5, HISTO - NO SPORES SEEN
BROOD	S.F. SALMON RIVER	SUMMER CHINOOK	95-385	8/25/95	-	-		+					-			INSPECTION	NO PATHOGENS DETECTED; ELISA 11/18 (10 LOW, 1 HIGH); MYXOBOLUS SPP. 1/8, VIRO 0/18
BROOD	S.F. SALMON RIVER	SUMMER CHINOOK	95-389	8/29/95	-	-		+					-			INSPECTION	RS; ELISA 8/7 LOW, VIRO 0/7, WHD 0/8
BROOD	S.F. SALMON RIVER	SUMMER CHINOOK	95-403	9/1/95	-	-		+					-			INSPECTION	RS, WHD 0/10, VIRO 0/8, ELISA 5/8 LOW, HISTO - NO SPORES DETECTED
BROOD	S.F. SALMON RIVER	SUMMER CHINOOK	95-409	9/5/95	-	-		+					-			INSPECTION	RS; ELISA 2/11 LOW, WHD 0/10, VIRO 0/10
1994	S.F. SALMON RIVER	SUMMER CHINOOK	95-412	9/6/95	-	-		-	-	-	-					DIAGNOSTIC	NO PATHOGENS DETECTED, FAT 0/4, BACTE NSG, VIRO 0/4
BROOD	S.F. SALMON RIVER	SUMMER CHINOOK	95-415	9/7/95	-	-		+					-			INSPECTION	RS, ELISA 1/1 LOW, VIRO 0/1, WHD 0/1, HISTO - NO SPORES SEEN
1994	S.F. SALMON RIVER	SUMMER CHINOOK	95-509	10/25/95	-	-		-	-	-	-					INSPECTION	NO PATHOGENS DETECTED; VIRO 0/10, FAT 0/10, BACTE NSG
1995	S.F. SALMON RIVER	SUMMER CHINOOK	95-587	12/13/95	-	-		+	-	-	-					INSPECTION	RS, VIRO 0/10, FAT 8/10, BACTE NSG
NAMPA HATCHERY		A															
1994	TROUT LODGE	KAMLOOP RBT	95-020	1/12/95	-	-		-	-	-	+					DIAGNOSTIC	CWD, MAS; VIRO 0/10, ELISA 0/10, FLEXIBACTER PSYCHROPHILUS 5/8
1994	TROUT LODGE	KAMLOOP RBT	95-021	1/12/95	-	-		+	-	-	-					DIAGNOSTIC	RS, MAS, VIRO 0/5, ELISA 1/1(5-FISH)VERY LOW, PSEUDOMONAS SP. 2/4
1994	TROUT LODGE	KAMLOOP RBT	95-038	1/30/95	-	-		-	-	-	-					DIAGNOSTIC	BACTERIAL SEPTICEMIA; ELISA 0/12, PSEUDOMONAS SPP. 2/12, VIRO 0/12
1994	TROUT LODGE	KAMLOOP RBT	95-039	1/30/95	-	-		-	-	-	+					DIAGNOSTIC	BACTEREMIA (F.PSYCHROPHILUS); VIRO 0/10, ELISA 0/11, F.PSYCHROPHILUS 1/11 LOW, PASTEURELLA 1/11 MOD(SINGLE ISOLATE DID NOT RESPOND TO OTC)
1993	HAYSPUR	KAMLOOP RBT	95-078	2/28/95	-	-		-	-	-	-					DIAGNOSTIC	MULTIPLE BACTEREMIA/SEPTICEMIA, PRESUMPTIVE CYANOBACTERIAL TOXICOSIS; VIRO 0/3, ELISA 0/3, AEROMONAS 3/3, PSEUDOMONAS 1/3, SHEWANELLA 3/3, HISTO A.JENNERI
1994	SARATOGA	BROWN TROUT	95-079	2/25/95	-	-			-	-	-					DIAGNOSTIC	MAS, VIRO 0/10, A.HYDROPHILA 2/8, PSEUDOMONAS SP. 1/8

BroodYr	Stock	Class Species	Log #	Sample Date	IHN	IPN	EIBS	BKD	FUR	ERM	CWD	PKD	WHD	CSH	ICH	EXAM TYPE	Diagnoses
1994	HAYSPUR	RAINBOW TROUT	95-085	3/9/95	-	-		-	-	-	-					DIAGNOSTIC	MAS, CYANOBACTERIAL TOXICOSIS (PRESUMPTIVE), VIRO 0/3, FA 0/3, A.HYDROPHILA 3/4
1994	HAYSPUR	RAINBOW TROUT	95-173	4/13/95	-	-			-	-	+					DIAGNOSTIC	CWD, MAS; F PSYCHROPHILUS 4/8, A.HYDROPHILA 2/8, VIRO 0/8
1994	HAYSPUR	KAMLOOP RNBT	95-310	6/21/95					-	-	-					DIAGNOSTIC	MAS, BS; A.HYDROPHILA 3/4, A.SOBRIA 4/4, PSEUDOMONAS 2/4
1994	HAYSPUR	RAINBOW TROUT	95-324	7/12/95	-	-		+	-	-	-					INSPECTION	RS; DFAT 2/60, VIRO 0/60, BACTE NSG, ELISA 0/60
1994	HAYSPUR	KAMLOOP RBT	95-326	7/13/95	-	-		+	-	-	-					INSPECTION	RS; ELISA 0/60, DFAT 1/60, VIRO 0/60, BACTE NSG
1995	HAYSPUR	RAINBOW TROUT	95-327	7/13/95	-	-			-	-	+					DIAGNOSTIC	MAS, CWD, BACTEREMIA; VIRO 0/7, FLEXIBACTER PSYCHROPHILUS 2/7, PSEUDOMONAS
1995	TROUT LODGE	RAINBOW TROUT	95-339	7/28/95	-	-			-	-	+					DIAGNOSTIC	CWD; VIRO 0/8, FLEXIBACTER PSYCHROPHILUS 5/7,
1995	HAYSPUR	RAINBOW TROUT	95-353	8/7/95	-	-			-	-	+					DIAGNOSTIC	CWD; VIRO 0/10, FLEXIBACTER PSYCHROPHILUS 2/10
1995	TROUT LODGE	KAMLOOP RNBT	95-549	11/3/95					-	-	-					DIAGNOSTIC	BACTEREMIA; ERM 0/6, FUR 0/6, CWD 0/6, FLEXIBACTER SP. 1/6
1995	HAYSPUR	RAINBOW TROUT	95-576	12/7/95	-	-			-	-	+					INSPECTION	CWD, VIRO 0/5, FLEXIBACTER PSYCHROPHILUS 1/6
1995	TROUT LODGE	KAMLOOP RNBT	95-600	12/26/95					-	-	+					DIAGNOSTIC	SYSTEMIC FLEXIBACTERIOSIS , SECONDARY SEPTICEMIA; CWD 6/6
NIAGARA SPRINGS HATCHERY		C															
1994	HELLS CANYON	STEELHEAD, A GROUP	95-018	1/9/95	+	-			+	-	-					DIAGNOSTIC	IHN, FUR; IHNV 2/2(4-FISH POOLS), IPN 0/8, A SALMONICIDA 1/8
1994	PAHSIMEROI RIVER	STEELHEAD, A GROUP	95-053	2/3/95	-	-			-	-	+					DIAGNOSTIC	UNDETERMINED ETIOLOGY, CWD; VIRO 0/7, F.PSYCHROPHILUS 1/4
1994	HELLS CANYON	STEELHEAD, A GROUP	95-054	2/3/95	-	-			-	-	+					DIAGNOSTIC	CWD; VIRO 0/4, F PSYCHROPHILUS 1/4 LOW
1994	PAHSIMEROI RIVER	STEELHEAD, A GROUP	95-068	2/14/95	-	-			-	-	-					DIAGNOSTIC	NO PATHOGENS DETECTED, BACTE NSG 0/4
1994	HELLS CANYON	STEELHEAD, A GROUP	95-109	3/20/95	-	-		+	-	-	-		-			INSPECTION	R S ; VIRO 0/20, ELISA 1/4(5-FISH POOLS)LOW, FA 0/20, BACTE NSG 0/5, WHD 0/20
1994	PAHSIMEROI RIVER	STEELHEAD, A GROUP	95-110	3/20/95	-	-		-					-			INSPECTION	NO PATHOGENS DETECTED, VIRO 0/20, ELISA 0/20, FA 0/20,WHD 0/20
1995	HELLS CANYON	STEELHEAD, A GROUP	95-323	7/12/95	-	-			-	-	-					DIAGNOSTIC	NO PATHOGENS DETECTED; VIRO 0/20, BACTE 0/8
1995	HELLS CANYON	STEELHEAD, A GROUP	95-355	8/8/95	-	-			-	-	-					INSPECTION	FLEXIBACTER PSYCHROPHILUS 1/8, VIRO 0/10, FLEXIBACTER NOT CAUSE OF MORTALITY
1995	PAHSIMEROI RIVER	STEELHEAD, A GROUP	95-356	8/8/95	-	-			-	-	-					INSPECTION	NO PATHOGENS DETECTED; BACTE NSG, VIRO 0/10
1995	PAHSIMEROI RIVER	STEELHEAD, A GROUP	95-438	9/18/95					+	-	-					DIAGNOSTIC	FURUNCULOSIS; AEROMONAS SALMONICIDA 15/16
1995	PAHSIMEROI RIVER	STEELHEAD, A GROUP	95-451	9/23/95	-	-			+	-	-					DIAGNOSTIC	FURUNCULOSIS; VIRO 0/12, AEROMONAS SALMONICIDA 10/12
1995	PAHSIMEROI RIVER	STEELHEAD, A GROUP	95-499	10/23/95	-	-			+	-	-					INSPECTION	FUR; AEROMONAS SALMONICIDA 4/4 (SUSCEPTIBLE TO ROMET-30), VIRO 0/10
1995	HELLS CANYON	STEELHEAD, A GROUP	95-500	10/23/95	-	-			-	-	-					INSPECTION	NO PATHOGENS DETECTED; VIRO 0/10, BACTE NSG
1995	PAHSIMEROI RIVER	STEELHEAD, A GROUP	95-560	11/21/95	-	-			+	-	-					DIAGNOSTIC	FURUNCULOSIS, VIRO 0/10, AEROMONAS SALMONICIDA 7/8
1995	HELLS CANYON	STEELHEAD, A GROUP	95-561	11/21/95	-	-			-	-	-					INSPECTION	NO PATHOGENS DETECTED; VIRO 0/10, BACTE NSG
1995	PAHSIMEROI RIVER	STEELHEAD, A GROUP	95-577	12/8/95	-	-			+							DIAGNOSTIC	FURUNCULOSIS, AEROMONAS SALMONICIDA 4/8, VIRO 0/10
OREGON DEPT OF FISH AND WILDLIFE		D															
	BONNEVILLE	SOCKEYE SALMON	95-427	9/14/95				+								DIAGNOSTIC	BKD; SAMPLES COLLECTED BY ODFW R.SALMONINARUM 23/35
OXBOW OREGON		C															
BROOD	HELLS CANYON	STEELHEAD, A GROUP	95-037	1/26/95	-	-		+					-	+		INSPECTION	CSH, RS; C.SHASTA 1/9, ELISA 3/9 (LOW), DFAT 0/9, VIRO 0/9, WHD 0/9
BROOD	HELLS CANYON	STEELHEAD, A GROUP	95-111	3/21/95	-	-		+								INSPECTION	RS; ELISA 2/51 LOW, VIRO 0/51
BROOD	HELLS CANYON	STEELHEAD, A GROUP	95-132	3/20/95	-	-		-					-			INSPECTION	NO PATHOGENS DETECTED, ELISA 0/9, VIRO 0/30, WHD 0/5, VIRO 0/30
BROOD	HELLS CANYON	STEELHEAD, A GROUP	95-148	4/4/95	-	-							-			INSPECTION	NO PATHOGENS DETECTED; VIRO 0/20, WHD 0/9
BROOD	HELLS CANYON	STEELHEAD, A GROUP	95-162	4/11/95	-	-										INSPECTION	NO PATHOGENS DETECTED, VIRO 0/79
BROOD	HELLS CANYON	STEELHEAD, A GROUP	95-178	4/14/95	-	-										INSPECTION	NO PATHOGENS DETECTED; VIRO 0/68
BROOD	HELLS CANYON	STEELHEAD, A GROUP	95-189	4/18/95	-	-										INSPECTION	NO PATHOGENS DETECTED, VIRO 0/49

BroodYr	Stock	Class Species	Log #	Sample Date	IHN	IPN	EIBS	BKD	FUR	ERM	CWD	PKD	WHD	CSH	ICH	EXAM TYPE	Diagnoses
BROOD	HELLS CANYON	STEELHEAD, A GROUP	95-207	4/24/95	-	-										INSPECTION	NO PATHOGENS DETECTED; VIRO 0/37
BROOD	HELLS CANYON	STEELHEAD, A GROUP	95-209	4/25/95	-	-										INSPECTION	NO PATHOGENS DETECTED; VIRO 0/25
BROOD	HELLS CANYON	STEELHEAD, A GROUP	95-222	4/29/95	-	-										INSPECTION	NO PATHOGENS DETECTED; VIRO 0/15
BROOD	HELLS CANYON	STEELHEAD, A GROUP	95-237	5/5/95	-	-										INSPECTION	NO PATHOGENS DETECTED; VIRO 0/10
BROOD	HELLS CANYON	STEELHEAD, A GROUP	95-239	5/9/95	-	-										INSPECTION	NO PATHOGENS DETECTED; VIRO 0/7
PAHSIMEROI HATCHERY		C															
1993	PAHSIMEROI RIVER	SUMMER CHINOOK	95-051	2/1/95	-	-		-					+			INSPECTION	WHD; FA 0/10, VIRO 0/10, M.CEREBRALIS 2/2 (5-FISH POOLS)
BROOD	PAHSIMEROI RIVER	STEELHEAD, A GROUP	95-094	3/13/95	-	-		-					-			INSPECTION	NO PATHOGENS DETECTED; VIRO 0/3, ELISA 0/3, WHD 0/3
BROOD	PAHSIMEROI RIVER	STEELHEAD, A GROUP	95-108	3/16/95	-	-										INSPECTION	NO PATHOGENS DETECTED; VIRO 0/8
1993	PAHSIMEROI RIVER	SUMMER CHINOOK	95-123	3/23/95	-	-		+					+			INSPECTION	RS, WHD, FA 0/10, VIRO 0/10, ELISA 2/2 (5-FISH) LOW; M.CEREBRALIS 2/2 (5-FISH POOLS)
1993	PAHSIMEROI RIVER	SUMMER CHINOOK	95-124	3/23/95	-	-		+					+			INSPECTION	RS, WHD, ELISA 2/2 (5-FISH) LOW, FA 0/10, VIRO 0/10, WHD 2/2 (5-FISH POOLS)
1993	PAHSIMEROI RIVER	SUMMER CHINOOK	95-125	3/23/95												RESEARCH	(OPEN RESEARCH CASE), SENT TO DICK HECKMAN AT BYU
BROOD	PAHSIMEROI RIVER	STEELHEAD, A GROUP	95-128	3/21/95	-	-										INSPECTION	NO PATHOGENS DETECTED; VIRO 0/140
BROOD	PAHSIMEROI RIVER	STEELHEAD, A GROUP	95-135	3/27/95	-	-		+					+			INSPECTION	RS, WHD; ELISA 3/16(2 LOW,1 MOD), VIRO 0/15, M.CEREBRALIS 2/5 (5-FISH POOLS)
BROOD	PAHSIMEROI RIVER	STEELHEAD, A GROUP	95-137	3/16/95				-					+			INSPECTION	WHD, ELISA 0/9, WHD 1/2 (5-FISH POOLS)
BROOD	PAHSIMEROI RIVER	STEELHEAD, A GROUP	95-139	3/30/95	-	-										INSPECTION	NO PATHOGENS DETECTED, VIRO 0/9
BROOD	PAHSIMEROI RIVER	STEELHEAD, A GROUP	95-147	4/3/95	-	-		+					+			INSPECTION	RS, WHD; ELISA 4/10 LOW, VIRO 0/15, WHD 2/2 (5-FISH POOLS)
BROOD	PAHSIMEROI RIVER	STEELHEAD, A GROUP	95-158	4/6/95				+					+			INSPECTION	BKD, WHD; ELISA 4/15(3 LOW,1 HIGH), WHD 3/3 (5-FISH POOLS)
WILD	PAHSIMEROI RIVER	RAINBOW TROUT	95-159	4/6/95									+			WILD FISH	M.CEREBRALIS; WHD 1/1
BROOD	PAHSIMEROI RIVER	STEELHEAD, A GROUP	95-160	4/10/95	-	-		+					+			INSPECTION	BKD, WHD; ELISA 4/15 LOW, VIRO 0/29, M.CEREBRALIS 2/3
BROOD	PAHSIMEROI RIVER	STEELHEAD, A GROUP	95-175	4/13/95	-	-		+					+			INSPECTION	RS, WHD; VIRO 0/24, WHD 1/2(5-FISH POOLS), ELISA 6/10 LOW
BROOD	PAHSIMEROI RIVER	STEELHEAD, A GROUP	95-193	4/17/95	-	-										INSPECTION	NO PATHOGENS DETECTED; VIRO 0/10
BROOD	PAHSIMEROI RIVER	STEELHEAD, A GROUP	95-260	5/11/95	-	-		+					-			INSPECTION	RS, VIRO 0/2, ELISA 1/5, WHD 0/5
BROOD	PAHSIMEROI RIVER	SUMMER CHINOOK	95-402	8/31/95	-	-		+					-			INSPECTION	RS; ELISA 2/3 LOW, VIRO 0/3, WHD 0/3
BROOD	PAHSIMEROI RIVER	SUMMER CHINOOK	95-416	9/5/95	-	-		+					-			INSPECTION	RS; VIRO 0/6, ELISA 4/6 LOW, WHD 0/6
BROOD	PAHSIMEROI RIVER	SUMMER CHINOOK	95-417	9/7/95	-	-		-					-			INSPECTION	NO PATHOGENS DETECTED, WHD 0/1, VIRO 0/1, ELISA 0/1
BROOD	PAHSIMEROI RIVER	SUMMER CHINOOK	95-426	9/11/95	-	-		-					-			INSPECTION	NO PATHOGENS DETECTED; VIRO 0/2, ELISA 0/2, WHD 0/2
BROOD	PAHSIMEROI RIVER	SUMMER CHINOOK	95-430	9/15/95	-	-		+					-			INSPECTION	RS, ELISA 5/6 LOW, VIRO 0/6, WHD 0/6
BROOD	PAHSIMEROI RIVER	SUMMER CHINOOK	95-441	9/19/95	-	-		+					-			INSPECTION	RS, ELISA 2/4 LOW, VIRO 0/4, WHD 0/4
BROOD	PAHSIMEROI RIVER	SUMMER CHINOOK	95-448	9/22/95	-	-		+					-			INSPECTION	RS, ELISA 3/4 LOW, VIRO 0/4, WHD 0/4
BROOD	PAHSIMEROI RIVER	SUMMER CHINOOK	95-454	9/25/95	-	-		+					-			INSPECTION	RS; VIRO 0/7, ELISA 5/5 LOW, WHD 0/7
BROOD	PAHSIMEROI RIVER	SUMMER CHINOOK	95-465	9/28/95	-	-		+					-			INSPECTION	RS; WHD 0/8, ELISA 5/5 LOW, VIRO 0/8
1993	PAHSIMEROI RIVER	BULL TROUT	95-466	9/28/95	-	-							-			INSPECTION	OPEN CASE AWAITING HISTO; WHD 0/1, VIRO 0/1
BROOD	PAHSIMEROI RIVER	SUMMER CHINOOK	95-478	10/5/95	-	-		+					-			INSPECTION	RS; VIRO 0/2, WHD 0/2, ELISA 1/1 HIGH
1995	PAHSIMEROI RIVER	SUMMER CHINOOK	95-565	11/21/95												DIAGNOSTIC	OPEN CASE AWAITING HISTO
1995	PAHSIMEROI RIVER	SUMMER CHINOOK	95-586	12/12/95	-	-										DIAGNOSTIC	COAGULATED YOLK; VIRO 0/10
POWELL PONDS		C															
1993	POWELL	SPRING CHINOOK	95-168	4/9/95	-	-		+					-			INSPECTION	RS; ELISA 1/4(5-FISH POOLS) LOW, FA 0/20, VIRO 0/20, WHD 0/20, PRELIBERATION, EYE WAS CLEAR, NON-FUNCTIONAL
BROOD	POWELL	SPRING CHINOOK	95-381	8/21/95	-	-		+					-			INSPECTION	RS; ELISA 1/1 LOW, VIRO 0/1, WHD 0/1, HISTO - NO SPORES SEEN
RANGEN AQUA CTR		D															
1995	RANGEN	RAINBOW TROUT	95-232	4/10/95				-					-			INSPECTION	NO PATHOGENS DETECTED; FA 0/40, WHD 0/25
RAPID RIVER HATCHERY		C															

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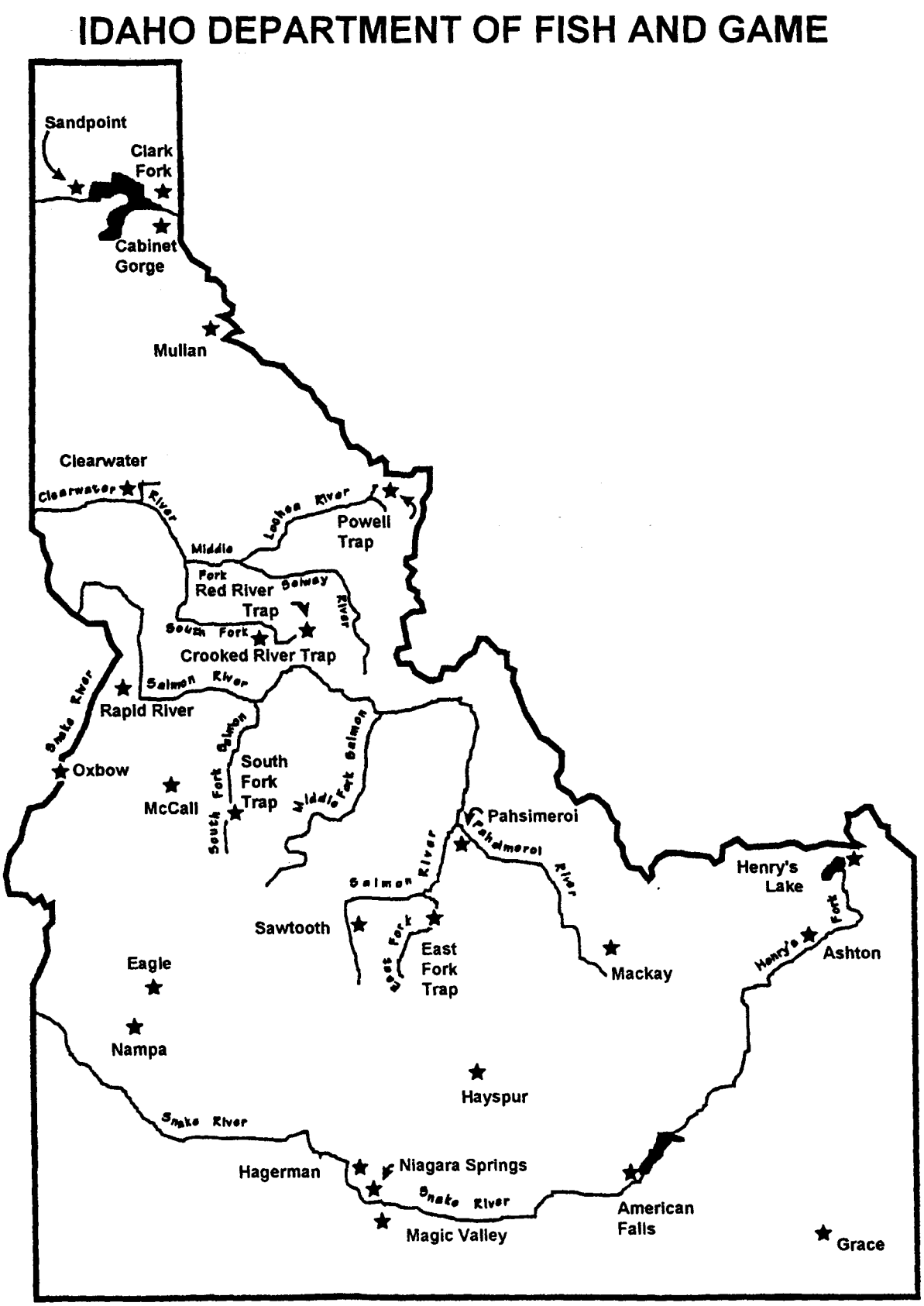
1993	RAPID RIVER	SPRING CHINOOK	95-010	1/4/95	-	-		-	-	-	-					INSPECTION	NO PATHOGENS DETECTED; VIRO 0/10, FA 0/10, BACTE NSG
1993	RAPID RIVER	SPRING CHINOOK	95-070	2/21/95	-	-										INSPECTION	NO PATHOGENS DETECTED; VIRO 0/19
1993	RAPID RIVER	SPRING CHINOOK	95-115	3/22/95	-	-		+					-			INSPECTION	PRELIBERATION, RS, MYXOBOLUS SPP.; ELISA 3/4(5-FISH) LOW, FA 0/20, VIRO 0/20, MYXOBOLUS SP 3/4(POOLS)
1994	RAPID RIVER	SPRING CHINOOK	95-311	6/22/95	-	-		-								INSPECTION	NO PATHOGENS DETECTED; VIRO 0/10, FA 0/10
1994	RAPID RIVER	SPRING CHINOOK	95-352	8/3/95	-	-		-								INSPECTION	NO PATHOGENS DETECTED; FA 0/10, VIRO 0/10
BROOD	RAPID RIVER	SPRING CHINOOK	95-364	8/7/95				+					-			INSPECTION	RS, ELISA 1/1 MOD, WHD 0/1, HISTO - NO SPORES SEEN
BROOD	RAPID RIVER	SPRING CHINOOK	95-370	8/21/95	+	-		+					-			INSPECTION	RS; ELISA 4/5 LOW, IHN 1/5, IPN 0/5, WHD 0/5, HISTO - NO SPORES SEEN
BROOD	RAPID RIVER	SPRING CHINOOK	95-375	8/24/95	-	-		+					-			INSPECTION	RS, ELISA 1/1 LOW, VIRO 0/1, WHD 0/1
BROOD	RAPID RIVER	SPRING CHINOOK	95-386	8/28/95	-	-		+					-			INSPECTION	RS; ELISA 3/3 (2 LOW, 1 HIGH), VIRO 0/3, WHD 0/3, HISTO - NO SPORES SEEN
BROOD	RAPID RIVER	SPRING CHINOOK	95-392	8/31/95	-	-		+					-			INSPECTION	RS, ELISA 4/5 LOW, WHD 0/8, VIRO 0/4, HISTO - NO SPORES SEEN
BROOD	RAPID RIVER	SPRING CHINOOK	95-410	9/5/95	+	-		+					-			INSPECTION	IHN, RS; ELISA 10/11 (8 LOW, 2 MOD), IHNV 1/11, IPN 0/11, WHD 0/11, HISTO - NO SPORES DETECTED
BROOD	RAPID RIVER	SPRING CHINOOK	95-414	9/7/95	-	-		+								INSPECTION	RS, WHD 0/1, VIRO 0/1, ELISA 1/1 LOW, MYXOBOLUS NOT DETECTED IN DIGEST OR HISTOLOGICAL EXAM
1994	RAPID RIVER	SPRING CHINOOK	95-429	9/14/95	-	-		-	-	-	-					INSPECTION	NO PATHOGENS DETECTED; VIRO 0/10, DFAT 0/10, BACTE NSG
BROOD	RAPID RIVER	SPRING CHINOOK	95-449	9/22/95	-	-		+					-			INSPECTION	RS; ELISA 3/4 (2 LOW, 1 MOD), WHD 0/4, VIRO 0/4, HISTO - NO SPORES SEEN
1994	RAPID RIVER	SPRING CHINOOK	95-493	10/19/95	-	-		-	-	-	-		-			DIAGNOSTIC	OVER EATING AQUATIC INSECTS; FAT 0/8, WHD 0/13, DIPTERA LARVAE IN STOMACH
BROOD	RAPID RIVER	SPRING CHINOOK	95-494	9/11/95				+					-			INSPECTION	RS, ELISA 5/5 (4 LOW, 1 MOD), WHD 0/1
RED RIVER PONDS		C															
1993	RAPID RIVER	SPRING CHINOOK	95-069	2/21/95	-	-		-	-	-	-					INSPECTION	NO PATHOGENS DETECTED; FA 0/10, VIRO 0/10, BACTE NSG 0/8
1995	RED RIVER	SPRING CHINOOK	95-242	5/12/95				+					-			INSPECTION	RS, ELISA 3/3 POOLS (2 MOD,1 LOW), WHD 0/11
BROOD	RED RIVER	SPRING CHINOOK	95-367	8/15/95	-	-		+					-			INSPECTION	RS; VIRO 0/1, ELISA 1/1 LOW, WHD 0/1
SANDPOINT HATCHERY		B															
1992	WASHOE PARK	CUTTHROAT TROUT	95-267	5/16/95	-	-		-					-			INSPECTION	NO PATHOGENS DETECTED; VIRO 0/60, WHD 0/30, ELISA 0/60, FA 0/60
SAWTOOTH HATCHERY		C															
1994	SAWTOOTH	STEELHEAD, A GROUP	95-048	1/31/95	-	-		-					-			INSPECTION	NO PATHOGENS DETECTED; FA 0/10, VIRO 0/10, HISTO RESULTS: NEGATIVE WHD
1993	EAST FORK SALMON RIVER	SPRING CHINOOK	95-049	1/31/95	-	-		-								INSPECTION	NO PATHOGENS DETECTED; VIRO 0/10, DFAT 0/10
1993	EAST FORK SALMON RIVER	SPRING CHINOOK	95-050	1/31/95	-	-		+								INSPECTION	RS; FA 1/10 TNTC, VIRO 0/10
1993	EAST FORK SALMON RIVER	SPRING CHINOOK	95-092	3/14/95	-	-		+					-			INSPECTION	PRELIBERATION SAMPLE WITH ONE FISH SHOWING CLINICAL SIGNS OF BKD; FA 2/20 (1 TNTC, 1 HVY), ELISA 4/4 (5-FISH) LOW, WHD 0/20, VIRO 0/20, BACTE: SKDM2 NO GROWTH
1993	SAWTOOTH	SPRING CHINOOK	95-093	3/14/95	-	-		+					-			INSPECTION	RS; DFAT 1/20 (5/30 FIELDS), VIRO 0/20, ELISA 3/4 (5-FISH POOLS) 2 LOW,1 MOD, WHD 0/20
1994	SAWTOOTH	STEELHEAD, A GROUP	95-095	3/14/95									-			RESEARCH	NO PATHOGENS DETECTED, NEGATIVE FOR WHD SPORES
BROOD	EAST FORK SALMON RIVER	STEELHEAD, A GROUP	95-163	4/10/95	-	-		+					-			INSPECTION	RS, ELISA 2/5 (LOW), VIRO 0/4, WHD 0/5
BROOD	SAWTOOTH	STEELHEAD, A GROUP	95-164	4/6/95	-	-		+					-			INSPECTION	RS; ELISA 7/9 LOW, VIRO 0/9, WHD 0/9
BROOD	EAST FORK SALMON RIVER	STEELHEAD, A GROUP	95-176	4/13/95	-	-		+					-			INSPECTION	R.S.; ELISA 1/2 LOW, VIRO 0/2, WHD 0/2
BROOD	SAWTOOTH	STEELHEAD, A GROUP	95-177	4/13/95	-	-		+					+			INSPECTION	RS; ELISA 8/10 LOW, VIRO 0/10, WHD 1/2 (5-FISH POOLS)
BROOD	SAWTOOTH	STEELHEAD, A GROUP	95-180	4/17/95	-	-		+					+			INSPECTION	BKD, ELISA 8/10 (7 LOW, 1 MOD); VIRO 0/24, WHD 1/2(5-FISH POOLS)
1994	SAWTOOTH	STEELHEAD, A GROUP	95-181	4/17/95	-	-		+	-	-	+					INSPECTION	RS, CWD; ELISA 2/2(4-FISH) LOW, FA 0/9, F.PSYCHROPHILUS 5/8, VIRO 0/8
BROOD	EAST FORK SALMON RIVER	STEELHEAD, B GROUP	95-190	4/17/95	-	-		+								INSPECTION	RS; VIRO 0/8, ELISA 8/11 (LOW)
BROOD	SAWTOOTH	STEELHEAD, A GROUP	95-201	4/20/95	-	-		+					+			INSPECTION	RS, ELISA 8/10 (4 LOW, 4 MOD), WHD 1/2(5-FISH)

BroodYr	Stock	Class Species	Log #	Sample Date	IHN	IPN	EIBS	BKD	FUR	ERM	CWD	PKD	WHD	CSH	ICH	EXAM TYPE	Diagnoses
BROOD	EAST FORK SALMON RIVER	STEELHEAD, A GROUP	95-202	4/17/95									-			INSPECTION	NO PATHOGENS DETECTED; WHD 0/11
BROOD	SAWTOOTH	STEELHEAD, A GROUP	95-208	4/24/95	-	-		+					+			INSPECTION	R.S., MYXOBOLUS SPP.; ELISA 20/20(18 LOW, 2 MOD), VIRO 0/29, WHD 1/4
BROOD	SAWTOOTH	STEELHEAD, A GROUP	95-212	4/27/95	-	-		+					-			INSPECTION	RS; VIRO 0/23, ELISA 4/5 LOW O.D., WHD 0/5
BROOD	SAWTOOTH	SPRING CHINOOK	95-228	5/4/95	-	-										INSPECTION	NO PATHOGENS DETECTED; VIRO 0/8
BROOD	SAWTOOTH	STEELHEAD, A GROUP	95-233	5/1/95	-	-										INSPECTION	NO PATHOGENS DETECTED; VIRO 0/15
BROOD	SAWTOOTH	STEELHEAD, A GROUP	95-264	5/10/95	-	-										INSPECTION	NO PATHOGENS DETECTED; VIRO 0/5
1994	SAWTOOTH	STEELHEAD, A GROUP	95-300	6/15/95	-	-		+					-			INSPECTION	RS; ELISA 1/12 (5 FISH POOLS), WHD 0/120, VIRO 0/60
1994	SAWTOOTH	SPRING CHINOOK	95-332	7/13/95				-	-	-	-					DIAGNOSTIC	PHOMA SP.; FAT 0/8
1994	SAWTOOTH	SPRING CHINOOK	95-345	7/29/95												DIAGNOSTIC	HISTO RESULTS PHOMA SP.
BROOD	SAWTOOTH	SPRING CHINOOK	95-374	8/18/95	-	-										INSPECTION	NO PATHOGENS DETECTED; VIRO 0/1
BROOD	SAWTOOTH	SPRING CHINOOK	95-376	8/18/95				+					-			INSPECTION	RS; ELISA 1/1 LOW, WHD 0/1
BROOD	SAWTOOTH	SPRING CHINOOK	95-377	8/18/95	-	-		-					-			INSPECTION	NO PATHOGENS DETECTED, VIRO 0/1, ELISA 0/1, WHD 0/1
1995	SAWTOOTH	SPRING CHINOOK	95-400	8/31/95	-	-										DIAGNOSTIC	NO PATHOGENS DETECTED; VIRO 0/2
1994	SAWTOOTH	SPRING CHINOOK	95-404	9/3/95	-	-		-					-			INSPECTION	NO PATHOGENS DETECTED, VIRO 0/35, ELISA 0/35, FA 0/35, WHD 0/35
1994	SAWTOOTH	STEELHEAD, A GROUP	95-405	9/3/95	-	-			-	-	-		-			INSPECTION	NO PATHOGENS DETECTED; VIRO 0/2, WHD 0/2, BACTE NSG
BROOD	SAWTOOTH	SPRING CHINOOK	95-443	9/6/95				+					-			INSPECTION	RS; ELISA 2/3 (4 & 5 FISH POOLS) 1 MOD, 1 HIGH, WHD 0/12
1994	SAWTOOTH	SPRING CHINOOK	95-479	10/8/95				-	-	-	-					DIAGNOSTIC	NO PATHOGENS DETECTED; FAT 0/4, BACTE NSG
1994	SAWTOOTH	STEELHEAD, A GROUP	95-585	12/12/95									+			RESEARCH	WHD, MYXOBOLUS CEREBRALIS 18/20 (FISH HELD AT SAWTOOTH ON RAW WATER)

Appendix 2. Geographic location of Idaho Department of Fish and Game culture facilities:



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