CLE ELUM SUPPLEMENTATION AND RESEARCH FACILITY

MONTHLY PROGRESS REPORT (December 1, 2008 – December 31, 2008)

DATE: JANUARY 12, 2009
TO: MEL SAMPSON
CC: PATRICIA SMITH/ DAVID FAST
FROM: CLE ELUM SUPPLEMENTATION AND RESEARCH FACILITY

FISH PRODUCTION: Brood year 2008 production and experimental hatchery & supplemental crossed eggs continue to be incubated and chilled water at 38⁰ Fahrenheit for the month. Temperature units are ~960 TU's at the end of the month. Hatching was observed at ~900 temperature units (TU's).

The 2007 Brood year (BY) has approximately 773,477 juveniles on hand at the end of December, averaging 30.6 fish per pound. Fish tagging operations wrapped up on the 5th. Transportation of fish to acclimation sites is tentatively scheduled to begin January 12th.

FISH CULTURE: Production pond cleaning continues on a weekly basis, and feeding continues to be performed two days per week due to the colder river water temperatures. Eggs in the incubation continue to be tempered in 38 degree water and temperature units recorded daily. On the 20th the river became too inclement for normal operations as the intake screens were covered with ice, at that time we shutdown two river pumps and turned on wells four and six to get 6,825 gallons of water. This was the operation at the facility for twenty-four hours at which point we were able to get back to normal operations.

WATER PRODUCTION: The current combined well and river water supply to the complex is 14,756 gallons/min. The river pumps are supplying 13,571 gallons per minute. Well pumps #2 and #4 are operating and supplying 1,185 gallons/min. More on well pumps in the well field maintenance section of this report.

ACCLIMATION SITES: Preparation of acclimation sites for fish transfer was the main focus for the month of December. Each week thermographs that record water temperature have the data disc changed at the acclimations sites. Ford Excavation with assistance from YKFP maintenance has started clearing snow out of the Easton acclimation site.

VEHICLE MAINTENANCE: The snowmobiles were taken in to have annual maintenance performed. The full-size John Deere tractor needed and was taken to Barnet Implement in Yakima. The tractor needed a new clutch installed and was picked up on the 31st.

SHOP BUILDING MAINTENANCE: On the 12th the facility domestic water hydro pneumatic tank and its system malfunctioned. The problem persisted and had to be dealt with multiple times; first it caused the tank to over flow and floods the shop. Wallace Electric was called and after extensive monitoring of the tank, compressor and electrical operations an electrical relay switch was replaced. Weekly cleaning and tool inventory continues to be a priority. The shop is home to our liberation truck along with fish transfer equipment, fish pump and seine nets.

ELECTRICAL BUILDING MAINTENANCE: The large generator is located in the electrical building and is checked daily for routine inspections.

HATCHERY BUILDING MAINTENANCE: The incubation building is being used to clean and repair isolation buckets, egg incubation baskets and troughs. An experiment involving remote site incubators (RSI's) continued through the month. Chad Stockton, WDFW, records flows and monitors emergence of fry on a daily basis. Chad is working with Steve S. and Curt K. on the RSI's research along with spawning channel fry emergence.

RIVERWATER COOLING FACILITY: The one pump in operation in this building is checked daily during our routine inspections, the variable pump is supplying water to the artificial spawning channel.

RIVER PUMP STATION MAINTENANCE: All four river pumps are in operation and pumping ~13,571 gallons/min to the facility. The building is cleaned monthly and the air burst system is cycled daily during the morning checks. The crew continued weekly changing of the graph paper on the river temperature thermograph throughout the month, continuing this activity as part of the daily checks routine.

WELL FIELD MAINTENANCE: Wells #1 and #4 were in operation and supplying 1,185 gallons/minute to the facility and incubation building. Weekly test well readings are recorded and sent via fax to CH2MHILL. Also weekly well meter readings are recorded. Well #5 had been determined to have a faulty drain valve while trying to operate the pump for emergency water usage. It was determined that water was not able to drain and began to flow out from the test hole (TH9). Charlie and Simon pumped out the remaining water from the test hole prior to replacing the valve. The valve was subsequently dug up, replaced and tested for operation.

SAFETY AND TRAINING: The winter season has approached and conditions can be hazardous as Cle Elum staff stress safety while working and preparing acclimation sites for upcoming fish transfer. Some examples include wearing proper clothing, extra caution while driving and plowing snow.

GROUND: Linda Lamebull of fisheries and personnel from Tribal Purchasing came to the hatchery to inventory two way radios.

MEETINGS AND TOURS: Charlie attended a policy meeting held at Nelson Springs. Vernon Bogar, Quinn James and Michael Whitefoot attended the Northwest Fish Culture Conference in Spokane Washington. Harbor Consulting Engineers John Hutchins and Megan Campbell toured the facility on the 11th.

PERSONNEL: No personnel reports for the month.