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Chehalis Basin Fisheries Task Force



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Hatchery Reform Project Underway... Grays Harbor to be Evaluated in Fall 2003

Congress established the Puget Sound and Coastal Washington Hatchery Reform Project to ensure that hatchery programs protect and, where possible, help recover all species and stocks of wild salmon and support sustainable fisheries.

Long Live the Kings (LLTK), a private, non-profit wild salmon restoration organization, plays a vital role in the reform project as an independent facilitator named by Congress. The purpose of LLTKs involvement is to provide project management for the Hatchery Scientific Review Group (HSRG) and Hatchery Reform Coordinating Committee. In addition, LLTK holds the responsibility of communicating reform progress to Congress, state legislators, stakeholders and the public.

The HSRG, a panel of nine independent scientists established by Congress to evaluate hatchery

programs in Puget Sound and Coastal Washington, is scheduled to perform a review of every hatchery artificial fish production program in Grays Harbor during September and October of 2003.

The review will be based on fisheries and habitat to evaluate the following:

- 1 Regional management goals for conservation and other purposes.
- 2 Stock status (biological significance and population viability).
- 3 Current and future habitat status.
- 4 The particulars of each hatchery program.

An annual report due to Congress a year from now will include specific recommendations provided in the context of minimizing genetic risks, increasing fish health, applying management practices and providing facilities appropriate for conservation, harvest or education goals.



The HSRG: John Barr, NWIFC (HSRG Vice Chair); Lee Blankenship, Northwest Marine Technology (HSRG Vice Chair); Donald Campton, PhD, USFWS; Trevor Evelyn, PhD, Department of Fisheries and Oceans Canada (retired); Conrad Mahnken, PhD, NMFS, Manchester, WA Research Station; Lars Mobernd, PhD, Mobernd Biometrics (HSRG Chair); Lisa Seeb, PhD, Alaska Department of Fish & Game; Paul Seidel, WDFW; William Smoker, PhD, University of Alaska

EDT, CBFTF's Base Model for Developing Watershed and Implementation Plans

You might be asking yourself, *what is EDT?* EDT stands for Ecosystem Diagnosis and Treatment. It is a model developed by Mobernd Biometrics to provide a system for rating the condition, capacity, and range of habitat along a stream, comparative to the needs of a

indicator species such as Coho Salmon or Cutthroat Trout.

The EDT model is based on three things:

- 1 Conceptual Framework—a way of sorting out information used to describe an ecosystem watershed

to draw conclusions later about the ecosystem watershed.

- 2 Analytical Model—a set of tools to organize environmental information and rate the habitat elements with regard to the indicator species.
- 3 Step-by-Step Procedure—a

IMPORTANT DATES TO REMEMBER FOR THIS QUARTER:

April 10, Board of Directors Meeting; April 15, Bristol Court Meeting; May 9, Board of Directors Meeting; May 20, Bristol Court Meeting; June 13, Board of Directors Meeting; June 17, Bristol Court Meeting.

Members Investing in CBFTF for 2003!

- Boat Seafoods**
- Bob Balcombe**
- Chehalis Tribe**
- Dennis Company**
- G. M. Duncan**
- Elma Game Club**
- John T. Forrester, DDS**
- Friends of the Chehalis**
- Grays Harbor County**
- Long Live the Kings**
- Port of Grays Harbor**
- Valentine Enterprises**
- Westport Charterboat**
- Weyerhaeuser**

Thank you to our new and reinvested members. Your commitment helps make a difference in the restoration of the fisheries in the Chehalis Basin.

Salmon Trivia

Stages of Salmon Growth:

- 1 Egg
- 2 Eyed egg stage
- 3 Sac fry
- 4 Juvenile
- 5 Smolt
- 6 Adult

(EDT story continued from p.1) procedure that explains how to apply the conceptual framework and analytical model to develop plans that achieve goals.

For all intents and purposes, EDT describes how the fish would grade the quality, quantity and diversity of a stream based on our scientific understanding of their needs.

EDT can identify the potential for a stream under a set of conditions

by using an approach called the Patient-Template Analysis. The "patient" would be such conditions that occur now, and the "template" would be those that might occur in the future. The analysis is performed by comparing the patient and template to form a clear assessment of the present conditions of the watershed in relation to the indicator species.

Thus, EDT establishes areas where conditions are particularly good or bad and identifies things

that need to be fixed, specifically, the restoration potential and the protection value of each ecosystem watershed. This helps us prioritize procedures and focus them on areas with identified problems and where the potential for restoration and protection is greatest.

If you would like more information regarding EDT, you can visit the EDT website at: <http://www.edthome.org>.

Carlisle Environmental Education, An Ongoing Success



OHS Aquaculture Center

This year marked the completion of the Aquaculture Center, which includes incubation, rearing and holding tanks, as well as a field educational facility. The center is fed by an artesian spring and contains three 16 foot diameter tanks that are used for raising trout for stocking area ponds and for salmon rearing. This center is part of the FFA Chapter's community service program and currently raises 100,000 Coho smolt, 5,000 trout and starting this year, Chum and Steelhead.

In addition to the Aquaculture

Center, the Carlisle facility has two sites being used by the Onalaska High School FFA Aquaculture Program providing field and class study, and hands on experience. Because this partnership has been so successful, the FFA Aquaculture course has attained college credit status with Grays Harbor Community College.

The school science program also utilizes the Carlisle facilities for a number of projects including water quality studies, riparian/wetland restoration and general environmental field studies.

Through the monitoring of several stream sites and fish enhancement facilities, students work to identify nutrient fluctuations within the Basin. Water quality information and test results from the various sites are then posted on an Internet web site for easy access.

This outreach program is a joint

venture with local schools and educational programs to help create a socially conscious community which demonstrates concern and ownership for the fisheries resources.

The success of the Carlisle Environmental Education Project can be measured by student interest. The Natural Resources class at the Onalaska High School is one of the first classes to fill, with a waiting list to participate.



Ben Albertson of OHS, taking fecal coliform samples. Samples are taken around Carlisle Lake several times a year.

Chehalis Basin Fisheries Task Force Membership Form

Remittance address: 2109 Sumner Ave., Ste. 202, Aberdeen, WA 98520

Name: _____
 Address: _____
 City, State, Zip: _____
 Phone: _____ E-mail: _____
 Organization: _____
 Amount Enclosed: _____

Silver Membership	\$ 15.00
King Membership	\$ 30.00
Associate Enhancer	\$ 60.00
Patron Enhancer	\$100.00
Golden Enhancer	\$500.00
Business Membership	\$200.00
Corporate Membership	\$500.00