Future of the CWT program: challenges and options.
A workshop June 7-10, 2004 in Seattle, WA.

June 7, 2004. Introduction. 1:00 pm

> *1:00-1:15.   Welcome and Introduction.   Charge to panel – Larry Rutter*
>
> *1:30-2:00   Current uses of Coded Wire Tag (CWT) program for chinook and coho salmon. – Tom Cooney*
> *Purpose: Present an overview of the variety of uses of CWTs in management of chinook and coho salmon*
> File: CurrentUsesOfCWT.pdf
>
> *2:30-300   Data Matrix – Marianna Alexandersdottir*
> *Purpose: Provide a framework to identify data elements required for cohort analysis based on CWTs*
> File: DataMatrix.pdf

Break: 3:30 -3:45 pm

> *4:00-4:30   The utility of the CWT system for management of chinook and coho salmon. – Gayle Brown.*
> *Purpose: Provide examples demonstrating experience with methods and assumptions underlying various types of analyses based on CWTs.*
> File: UtilityOfCWTtoFisheryManagement.pdf
>
> *5:00 pm   Panel Only - preliminary discussions*

June 8, 2004. CWT program

> *9:00–10:15   Estimation of exploitation rates – Marianna Alexandersdottir and Annette Hoffmann*
> *Precision and Bias – Uncertainty*
> *Chinook and coho salmon, similarities and differences*
> *Purpose: Theoretic basis for cohort analysis methods (tagging, sampling, assumptions, indicator stocks, sample design). How it's supposed to work. Factors affecting precision and bias for estimates of stock-age-fishery exploitation rates and survival rates, based on CWT data.*
> Files: Part1TechnicalReviewOfTheCWTProgram.pdf
>   Part2TechnicalReviewOfTheCWTProgram.pdf

Break 11:15:-11:30

> *11:30-12:00   Legislation and implementation of Mass Marking (MM) and Mark Selective Fisheries (MSF) – Craig Bowhay*
> *Purpose: Provide information on the coastwide implications of legislative mandates – changes in mass marked fish and sampling programs (e.g., electronic tag detection).*
> File: LegislationAndImplementationOfMMandMSF.pdf

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Lunch 12:30-1:30 pm

1:30-2:00 Mass Markings - Sampling and implications for Cohort Analysis Ron Olson
Purpose: Identify issues surrounding estimates of non-landed mortalities in MSFs for use in cohort analysis – data collection (including electronic tag detection) and reporting.
File: MassMarkings.ppt

2:30-3:00 Mark Selective Fisheries, DIT, and estimation of unmarked mortalities, Coho vs. Chinook – Annette Hoffmann
Purpose: Describe the theoretical basis for DIT and problems encountered in implementation.
File: MarkSelectiveFisheries.pdf

3:30-4:00 Break

4:00-4:30- Gear Related Mortality in Fisheries – Robert Kope and Peter Lawson
Purpose: Provide information on the relative significance of different types of mortalities and problems in quantification.
File: IncidentalMortality.pdf

5:00-6:00 General Discussion

6:00pm - Panel Only - preliminary discussions

June 9, 2004. Discussion of Alternative technologies.

8:00-8:30 Introduction to Coast wide Chinook & Coho stock identification-, developments in genetics based methods, and issues involved in standardization of baselines - Lisa Seeb/Bill Templin
Purpose: Provide an historical overview of the use of genetics-based approaches in stock identification, a prospectus of current research, and difficulties of establishing standardized baselines.
File: CoastWideChinookAndCohoStockID.pdf

8:45-9:30 Application of genetic-based methods in the management of chinook and coho – Terry Beacham/Ruth Withler
Purpose: Provide examples of how genetics based methods have been applied in chinook and coho salmon, an assessment of their success, and estimates of costs.
File: ApplicationOfGeneticBasedMethods.pdf

10:00-10:30 Status of Chinook Standardization and developing technologies – Paul Moran
Purpose: Provide an update on the status of current efforts to establish a coastwide DNA baseline for chinook salmon, including information on sample sizes in current tissue collections.
File: StatusOfChinookStandardizationAndDevelopingTech.pdf

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11:00-11:15 Break

> *11:15-11:45   Potential for Coho salmon– Michael Banks*
> *Purpose: Provide information on the feasibility, costs, and timeframe involved in establishing a coastwide DNA baseline for coho stocks, including standardization of methodologies and the influence of the desired level of resolution for stock discrimination on baseline sample sizes.*
> File: PotentialsForCoho.pdf

12:00-1:00 pm Lunch

> *1:00-1:30   Statistical Basis and Methods – Estimation of stock proportions and fishery contributions using genetic information. Jerry Pella*
> *Purpose: Provide information on the capacity of current algorithms to accurately associate individual fish to appropriate stocks (resolution?) and age classes, based on genetic data.*
> File: StatisticalBasisAndMethods.pdf

> *2:00-2:30   Statistical Basis for use of genetic information for cohort analysis, uncertainty   John Candy.*
> *Purpose: Provide a prospective assessment of the sampling, recovery, and reporting systems and associated costs that would be required for genetics-based methods to provide data necessary to complete cohort analysis.*
> File: StatisticalBasisForuseOfGeneticInformation.pdf

> *3:00-3:30   Identification of Individuals - Pers Palsbol*
> *Purpose: Provide perspectives on statistical foundations for models used to determine parental origin.*
> File: [IdentificationOfIndividuals.pdf.](IdentificationOfIndividuals.pdf)

Break 3:30-4:00

> *4:00-4:30pm   Otolith marking. Eric Volk*
> File: OtolithMarking.pdf

> *4:30 – 6:00pm General discussion*

June 10, 2004. Expert Panel deliberations. At panels discretion

> *8:00-11:00 Alternative management. Placeholder for consideration of innovative ideas. Brainstorming session.*
> *Purpose: Provide an opportunity for selected presentations on alternative approaches to manage chinook and coho salmon stocks which are not based on CWTs.*

> *9:00-9:30.   Discussion*

> *Continuation of Panel Only. Panel discussion of report outline, tasks etc.*