

**Preliminary Program
North American Regional Meeting
The International Environmetrics Society (TIES)
Measuring, Monitoring, and Modeling Environmental Resources
June 15 – 17, 2009
Corvallis, OR, USA**

.Monday, June 15

10:00 – 12:00 (Tentative) Workshop on Effectiveness Assessment: A Proposed Case Study in the Coos Bay Watershed	Jon Souder, Executive Director, Coos Watershed Association
12:00 – 1:30 Lunch Break on your own	
1:30 – 2:30 Welcome & Opening remarks	Don Stevens, President-Elect, TIES
2:30 – 3:00 Break	
3:00 – 4:45 Analysis of Stream Networks	
Patterns of coho salmon size and survival within a stream network	JL Ebersole, ME Colvin, PJ Wigington, Jr., SG Leibowitz, KM Burnett, and JC Firman
NetMap: Linking data and streams	Dan Miller and Lee Benda
A Moving Average Approach for Spatial Statistical Models of Stream Networks	Jay M. Ver Hoef and Erin E. Peterson
TBA	Lisa Ganio
5:30 – 7:00 Opening Reception	

Tuesday, June 16

7:15 – 8:00 Continental Breakfast	
8:00 – 9:45 Spatio-Temporal Bayesian Hierarchical Models for Environmental Data	
Spatial Hierarchical Modeling in Comparing Extreme Precipitation Generated by Regional Climate Models	Erin M. Schliep, Daniel Cooley, Stephan R. Sain, Jennifer A. Hoeting
Bayesian Inference for Marine Mammal Telemetry Data: A Continuous-Time Approach	Devin Johnson , Josh London , and Carey Kuhn
Simultaneous Cellular Movement Models for Resource Selection	Mevin Hooten and Devin Johnson
Issues with Modeling Spatial Ordered Categorical Data	Megan Higgs
9:45 – 10:15 Break	
10:15 – 12:00 Relationships between Landscape, Habitat, Stream Condition, and Fish Populations	
Goldilocks and the three pools: do juvenile salmon choose habitats that are "just right"?	Marti J. Anderson and Russell B. Millar
Addressing redundancy of information in habitat metrics to refine understanding of juvenile-habitat associations for Oregon's coastal coho salmon (<i>Oncorhynchus kisutch</i>)	Yasmin Lucero
The effect of uncertainty in monitoring data on status assessments for Snake River	Chris Jordan ,Darcy Pickard Claire McGrath

Spring/Summer Chinook salmon	
A comparison of spatially explicit landscape representation methods and their relationship to stream conditions	Erin E. Peterson
12:00 – 1:00 Lunch (provided)	
1:00- 2:45 Session Title:	
Modeling Trends In Vegetation With Ordinal Cover Classes: Implications For Long-Term Monitoring Designs.	Kathryn M. Irvine and Thomas J. Rodhouse
Stream temperature standards & timber harvest - How are we doing?	Jeremy Groom, Liz Dent, and Lisa Madsen
Relating forest attributes with area-based and tree-based LiDAR metrics for western Oregon	Goerndt, Michael E., V.J. Monleon & H. Temesgen
How Can We Decide Which Small Stream Map is More Accurate? -Focusing on Sampling Method and Statistical Analysis -	Joowon Park, L. Monika Moskal and Jim Fridley
2:45 – 3:15 Break	
3:15 – 5:00 Marine & Estuarine Surveys	
A Stratified, Random Sampling Program to Examine Mercury in Small Fish from San Francisco Bay, California	Melwani, A.R., Greenfield, B. K., and Harrold, K
Two-phase survey design for mapping oceanic sediment condition surrounding two treated wastewater outfalls in San Diego.	Kerry J. Ritter, Becky Schaffner, Dawn Olson, Ken Schiff, and Tim Stebbins
Spatial modelling of prawn abundance from large-scale marine surveys using penalised regression splines	Charis Burrridge, Geoff Laslett and Rob Kenyon
Sampling Headwater Streams for Autocovariance Parameter Estimation	Nicholas A. Som, Lisa M. Ganio, and Robert Gresswell
Conference Banquet at Tyee Wine Cellars	
Wednesday, June 17	
7:15 – 8:00 Continental Breakfast	
8:00 – 9:45 Models for environmental data	
Multispecies Occupancy Models for the Analysis of Metacommunity Dynamics	Robert M. Dorazio
Towards an integrated structural model for Oregon Coastal coho.	Russell Millar Marti Anderson
Predictive modeling and mapping sage grouse (<i>Centrocercus urophasianus</i>) nesting habitat using Maximum Entropy and a long-term dataset from Southern Oregon	Andrew C. Yost, Steven L. Petersen, Michael Gregg, Richard Miller
Estimating aquatic vegetation occurrence and abundance using the rake sampling method	Gray, Brian R.; Holland, Mark D.; Starcevich, Leigh Ann Harrod
9:45– 10:15 Break	
10:15 – 12:00 Landscapes and Coho Salmon	
A mechanistic approach to explain the	K.J. Anlauf , D.W. Jensen, E.A. Steel, K.M.

variation in coho salmon (<i>Oncorhynchus kisutch</i>) habitat across the landscape	Burnett, K. Christiansen, J.C. Firman, B.E. Feist, and D.P. Larsen
Modeling densities of juvenile coho salmon from landscape attributes in the Oregon Coast Range	Burnett, K.M., R.L. Flitcroft, E.A. Steel, K. Vance-Borland, D. Jensen, J. Firman, K.R. Christiansen, and D.P. Larsen
How broad the horizon? Landscape models of adult coho salmon density examined at four spatial extents.	Julie C. Firman, E. Ashley Steel, David W. Jensen, Kelly M. Burnett, Kelly Christiansen Blake E. Feist, David P. Larsen and Kara Anlauf
Comparing riverine landscape models across populations and sampling designs to understand spawning distributions of coho salmon (<i>Oncorhynchus kisutch</i>)	E.A. Steel, D.W. Jensen, K.M. Burnett, K. Christiansen, J.C. Firman, B.E. Feist, K.J. Anlauf, and D.P. Larsen
12:00 – 1:00 Lunch (Provided)	
1:00 – 2:15 Monitoring Oregon’s Water Quality	
Oregon’s Water Quality Monitoring Strategy	Aaron Borisenko
High Level Indicators of the Water Resources of Oregon’s Forested Streams	Shannon Hubler, Sarah Miller, Leslie Merrick, Robin Leferink, and Aaron Borisenko
An Innovative Approach to Regional Monitoring and Assessment: The Willamette Basin Rivers and Streams Assessment	Michael Mulvey, Robin Leferink, and Aaron Borisenko
2:15 – 2:45 Break	
2:45– 4:30 Rotating Panel Surveys for Status and Trend	
Stratified Rotating Panel Survey With Regression Imputation: A Sampling Strategy for Estimating Total Number of Bald Eagle Nesting Territories in Florida	Mary C. Christman
Trend Analysis in the Context of Design Based Sampling of Spatially Distributed Resources	Bill Gaeuman
Calculating the power to estimate trend with a linear mixed model for unbalanced data from a panel design	Starcevich, Leigh Ann Harrod; Heard, Andrea M.; Irvine, Kathryn M. ; Mutch, Linda S
Using Imputation to Estimate Trend and Abundance in Coho Salmon Numbers using a Multi-Period Rotating Panel Sampling Design	Don Stevens
4:30 – 4:45 Conference Closing Session	