Trinity River Restoration Program (TRRP) First Annual Science Symposium
February 6th to 9th, 2007
Location: Victorian Inn, 1701 South Main Street (HWY 299), Weaverville, CA

FINAL Symposium Agenda

Date: 1-8-07

Purpose of the TRRP science symposium:

* Present latest findings on the state of the system and response to management actions
* Information sharing with program partners, stakeholders, and public
* Inform development of the Integrated Assessment Plan (IAP)
* Inform FY08 budget development
* Inform WY2007 flow scheduling process
* Highlight science accomplishments
* Facilitate cross discipline understanding and dialog

A symposium summary containing abstracts, presentations, papers, and discussion summaries will be made available on our website at www.trrp.net

For more information, contact Andreas Krause (530-623-1807; akrause@mp.usbr.gov)

Tuesday, February 6, 2007 - Optional Field Trip

	Meet at Trinity River Restoration Program office, 1313 Main St. (HWY 299 - behind the
9:00 AM	Burger King), Weaverville, CA. Arrange carpools.
9:15 AM	Depart on field trip
	Lewiston Hatchery Coarse Sediment Augmentation Project (August 2006)
	Lewiston Sites
	Hamilton Ponds
	Poker Bar Bridge (Completed June 2005)
	Indian Creek/Little Yellow House
Noonish	Lunch on your own in Weaverville
	North Fork Confluence
	Hocker Flat Rehabilitation Site (Completed October 2005)
	Canyon Creek Suite of Rehabilitation Sites (Completed December 2006)
4:30 PM	Return to Weaverville

** Dress appropriately for winter weather (rain, snow, wind) and wear sturdy walking shoes/boots.*

February 7-9 agenda for symposium shown on subsequent pages

Trinity River Restoration Program First Annual Science Symposium
Wednesday February 7, 2007 (Day 1 of 3)

Time	*Presentation*	*Lead Presenter*	*Minutes (includes 5 min. Q&A)*
Opening Session			
8:00 AM	Opening Remarks	Doug Schleusner	10
8:10 AM	State of the science and Integrated Assessment Plan	Rod Wittler	15
Fish Response to Implementing ROD Flows (Chair: Nina Hemphill)			
8:25 AM	Escapement/total run size responses	Hemphill / Sinnen	30
8:55 AM	Out-migration abundance and timing relative to flows	Petros / Pinnix	30
9:25 AM	Salmonid migration patterns in response to flows	Josh Strange	20
9:45 AM	Mercury fluxes in response to high flows	Jim Rytuba	15
10:00 AM	*Open Session Discussion Forum*	*Session Chair*	*45*
10:45 AM	***Break***		***10***
Fine Sediment Measurement and Modeling (Chair: Dave Gaeuman)			
10:55 AM	Watershed Restoration Overview and Effectiveness	Josh Allen	15
11:10 AM	Fine sediment reduction potential in Rush Creek watershed	Mary Ann Madej	15
11:25 AM	Potential method for estimating changes in mainstem fine sediment storage and evaluating effectiveness of tributary fine sediment contributions	Dave Gaeuman	15
11:40 AM	*Open Session Discussion Forum*	*Session Chair*	*30*
12:10 PM	**Lunch (on your own)**		
Fish and Avian Habitat (Chair: John Klochak)			
2:00 PM	Trinity River Salmon Life Histories: How and when do our fish utilize habitat? Is it as predicted from HSC data?	Aaron Martin	20
2:20 PM	2-D habitat modeling: predicted versus observed habitat and comparison with fish utilization	Thom Hardy	20
2:40 PM	Predicting bird abundance through changing riparian habitat	Sherri Miller	20
3:00 PM	***Break***		***15***
3:15 PM	Observed versus predicted changes in spawning distribution	Charlie Chamberlain	20
3:35 PM	Where are Coho in summer?	Pat Garrison	20
3:55 PM	Restoration actions and juvenile coho rearing habitat: research design and one year of data	Bowen / Hannon	20
4:15 PM	Evaluating the effectiveness of rehabilitation actions in creating fish habitat in the Trinity River	Darcy Pickard	20
4:35 PM	*Open Session Discussion Forum*	*Session Chair*	*45*
5:20 PM	***Adjourn***		

Trinity River Restoration Program First Annual Science Symposium
Thursday, February 8, 2007 (Day 2 of 3)

Time	*Presentation*	*Lead Presenter*	*Minutes (includes 5 min. Q&A)*
Impacts to Natural Production (Chair: Nina Hemphill)			
8:00 AM	Merganser population density estimates and potential salmonid predation	Sherri Miller	15
8:15 AM	Predation by hatchery-reared steelhead on natural salmonid fry in the upper-Trinity River, California, 2005	Seth Naman	20
8:35 AM	How important is fish diseases to Trinity Fishes?	Scott Foott	30
9:05 AM	*Open Session Discussion Forum*	*Session Chair*	*30*
9:35 AM	**Break**		**15**
Coarse Sediment Measurement and Modeling (Chair: Andreas Krause)			
9:50 AM	Sediment transport: meeting management objectives and Changing Sediment Transport Dynamics (SRC's, hysteresis, and routing thru Rush creek backwater, sediment budget)	Graham Matthews	20
10:10 AM	Preliminary results of acoustic sediment surrogate measurements	Wes Smith	15
10:25 AM	Sediment transport insights gained from calibrating the beta version HEC-RAS sediment model for the Trinity River	Stanford Gibson	15
10:40 AM	Technical basis of gravel augmentation design	Dave Gaeuman	15
10:55 AM	*Open Session Discussion Forum*	*Session Chair*	*30*
Information Management (Chair: Andreas Krause)			
11:25 AM	Overview of the Integrated Information Management System	Andreas Krause	20
11:45 AM	**Short Lunch (in-house sandwich bar, $5 per person)**		
Water Temperature Compliance and Modeling (Chair: Andreas Krause)			
12:15 PM	Meeting water temperature objectives 2000 to 2006	Paul Zedonis	20
12:35 PM	Water Temperature Dynamics of the Trinity River. Insights from developing an hourly water temperature model.	Mike Deas	20
12:55 PM	Thermodynamics of Trinity and Lewiston reservoirs	Mike Deas	20
1:15 PM	Trinity reservoir cold water pool: Historical analysis and future outlook	Tom Stokely	20
1:35 PM	*Open Session Discussion Forum*	*Session Chair*	*30*
2:05 PM	**Break**		**15**
Biologic Response to Water Temperature (Chair: Nina Hemphill)			
2:20 PM	Smolt Health	Tim Hayden	20
2:40 PM	Breeding phenology of the Foot Hill Yellow Legged Frog 2004-06	Jamie Bettaso	15
2:55 PM	Comparative life history characteristics of western pond turtle populations on the Trinity River mainstem and the South Fork Trinity River	Don Ashton	15
3:10 PM	Basking Patterns and Thermal Regulatory Behaviors of Western Pond Turtles: Comparing responses to thermal regimes in dammed and undammed tributaries of the Trinity River.	Jamie Bettaso	15
3:25 PM	Implications of egg thermal viability study	Keith Marine	20
3:45 PM	*Open Session Discussion Forum*	*Session Chair*	*30*

Trinity River Restoration Program First Annual Science Symposium
Continuation of Thursday, February 8, 2007 (Day 2 of 3)

Time	*Presentation*	*Lead Presenter*	*Minutes (includes 5 min. Q&A)*
Hatchery Impacts (Chair: Nina Hemphill)			
4:15 PM	How hatchery mating, rearing and release practices can affect life history traits of Chinook salmon	Dave Hankin	*20*
4:35 PM	Evidence for a stable hybrid zone between spring-run and fall-run Chinook salmon returning to the Trinity River Hatchery	Andrew Kinziger	*20*
4:55 PM	Integrating Hatchery and Natural Production in Restoration Planning - Current State of the Science	Eric Loudenslager	*20*
5:15 PM	*Open Session Discussion Forum*	*Session Chair*	*30*
5:45 PM	**Adjourn**		

Friday, February 9, 2007 (Day 3 of 3)

Time	*Presentation*	*Lead Presenter*	*Minutes (includes 5 min. Q&A)*
The AEAM Process at Hocker Flat (Chair: Rod Wittler)			
8:00 AM	Hocker Flat: Initial geomorphic response and lessons learned	Geoff Hales	15
8:15 AM	Results of 2006 Riparian Flow Bench Experiment at Hocker Flat	John Bair	15
8:30 AM	Hocker Flat: Mercury methylation and biotic uptake	Roger Hothem	15
8:45 AM	*Open Session Discussion Forum*	*Session Chair*	*30*
Integrating Habitat and Geomorphic Process (Chair: Andreas Krause)			
9:15 AM	Preliminary results of 2006 geomorphic mapping	Dave Gaeuman	15
9:30 AM	Results and implications of Redd Scour Modeling	Christine May	15
9:45 AM	Initial Fish response to July 2006 Hatchery Gravel Augmentation Project	Greg Pasternack	15
10:00 AM	Integrating salvage LWD into rehabilitation site construction	John Klochak	15
10:15 AM	*Open Session Discussion Forum*	*Session Chair*	*30*
10:45 AM	**Break**		**15**
Closing Session (Chair: Rod Wittler)			
11:00 AM	Issues and Integration	Rod Wittler	45
11:45 AM	Open Forum: Review of Symposium and Suggested Improvements	Andreas Krause	30
12:15 PM	Outcomes and action items	Rod Wittler	20
12:35 PM	Symposium Closing	Doug Schleusner	10
12:45 PM	**Adjourn**		